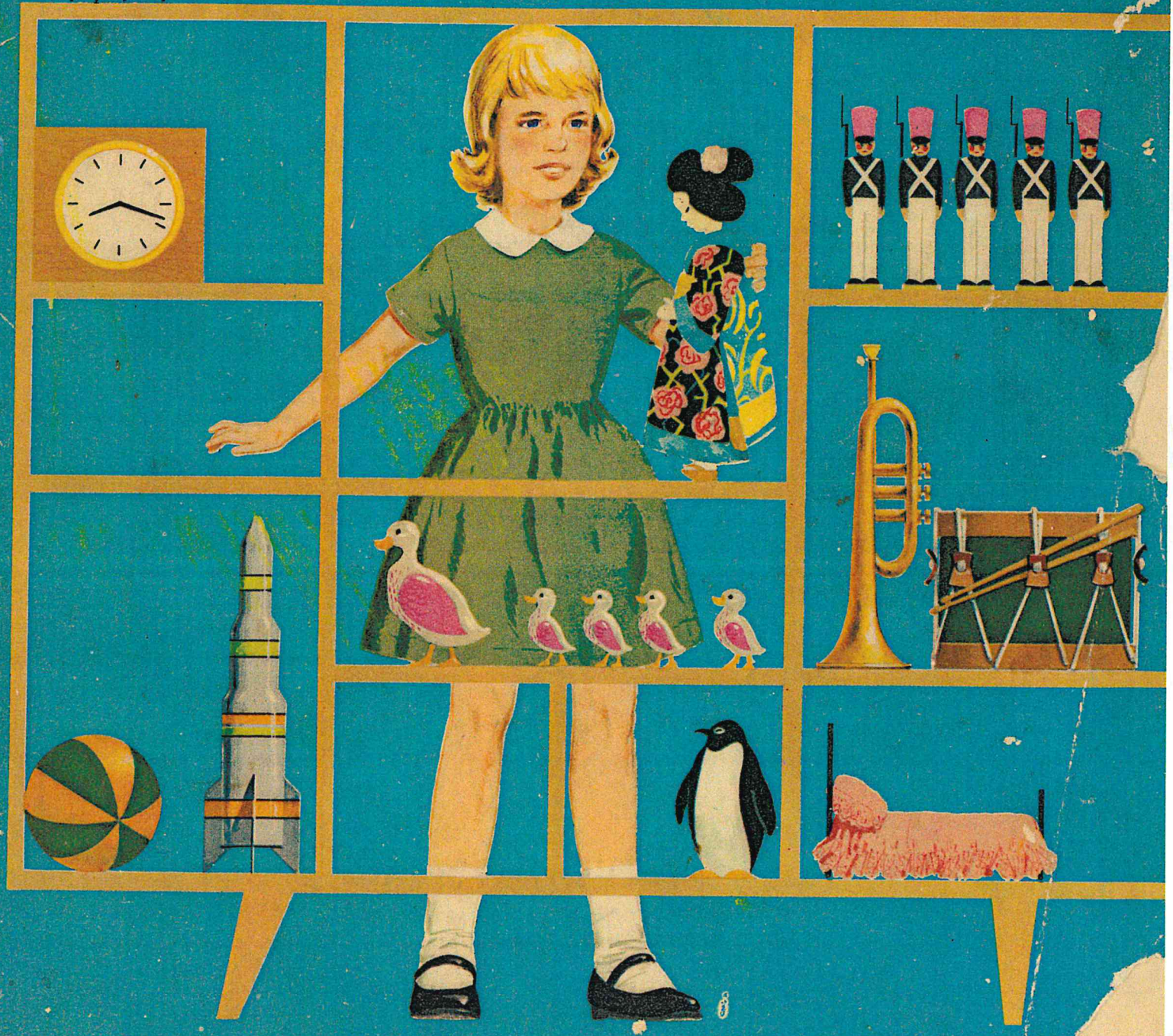
BOOK TWO

Modern Arithmetic

THROUGH DISCOVERY

MORTON · GRAY · ROSSKOPF



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BOOK TWO

MODERN ARITHMETIC through DISCOVERY

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This book is for the pupil. The complete program for Grade Two includes a separate book for the teacher. The Teacher's Edition contains every page of the pupil's book, in full color, plus teaching suggestions.

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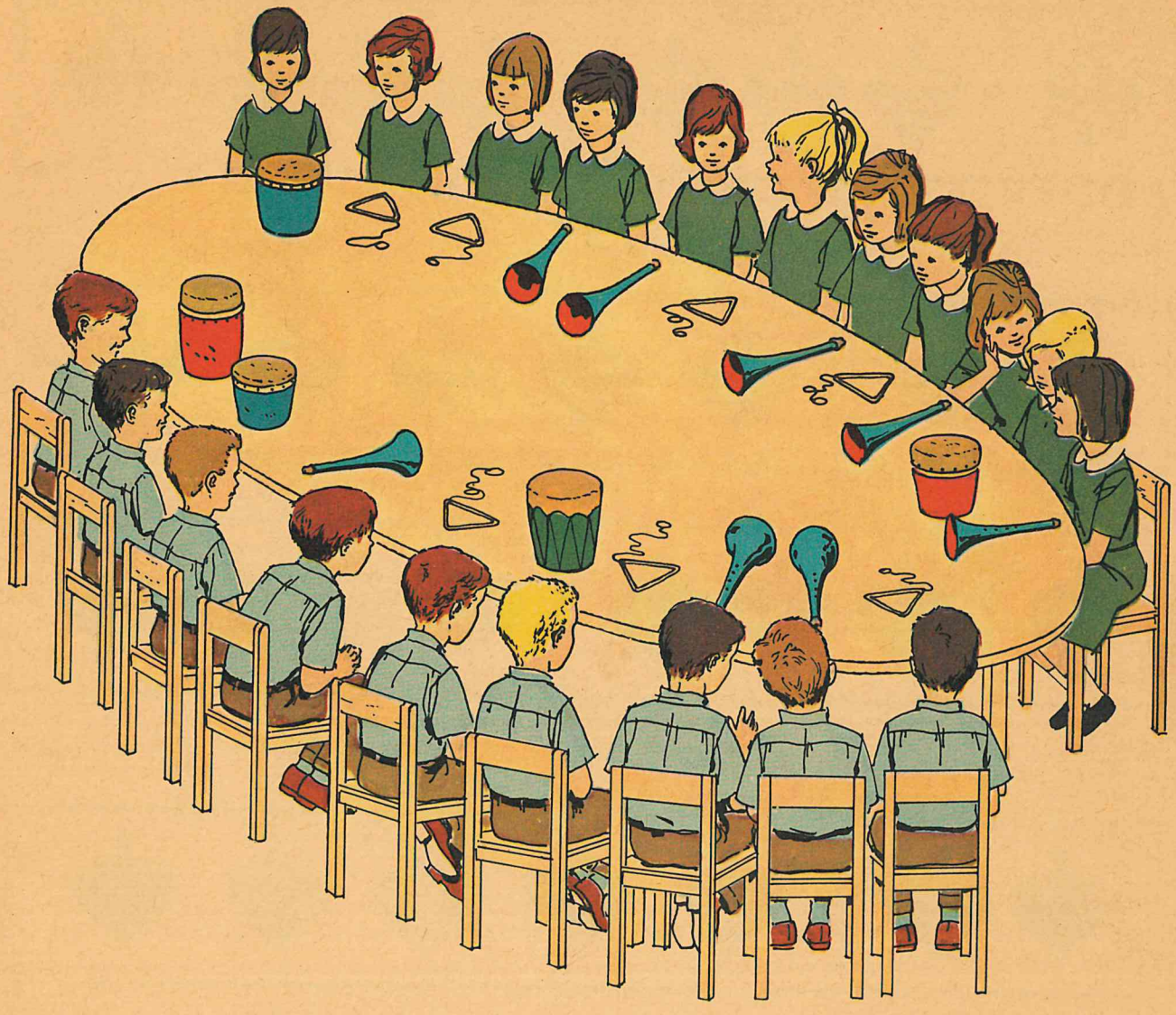
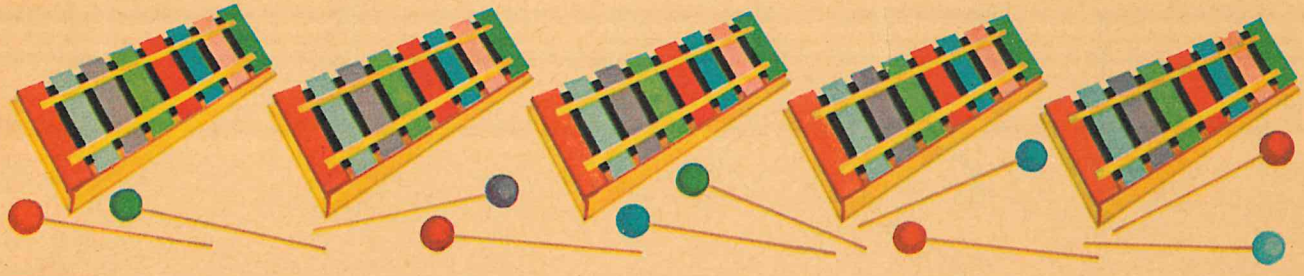
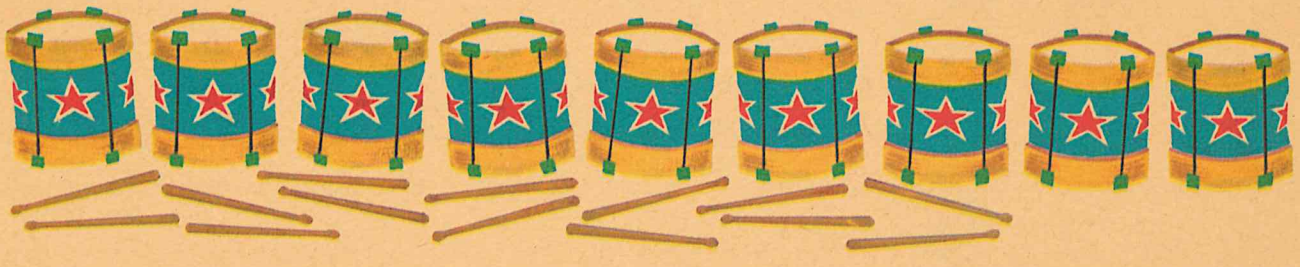
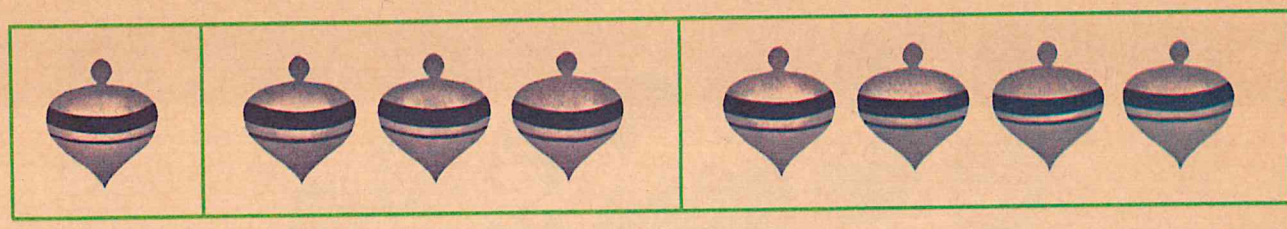
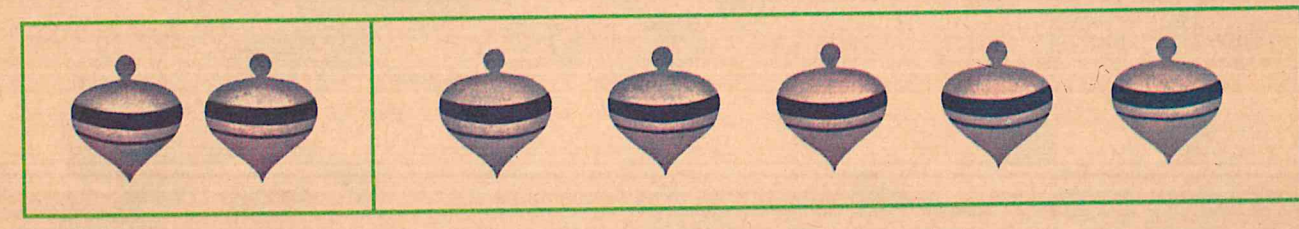


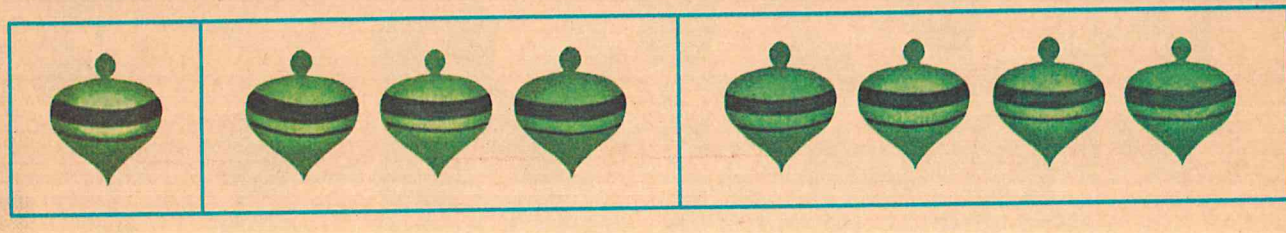




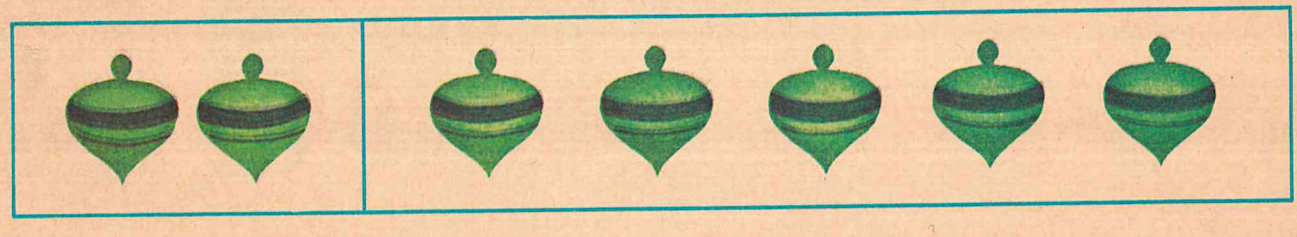


1 2 3 4 5

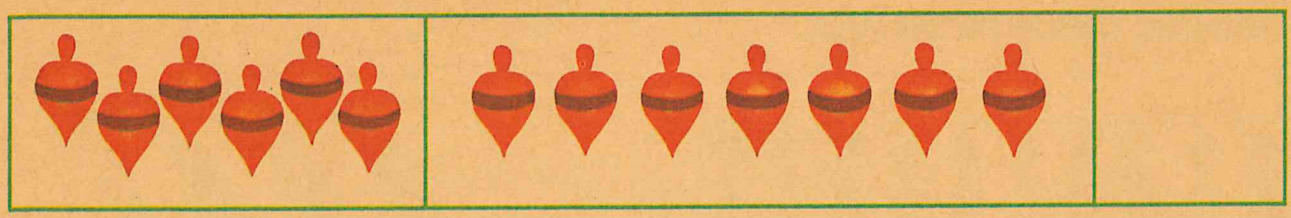




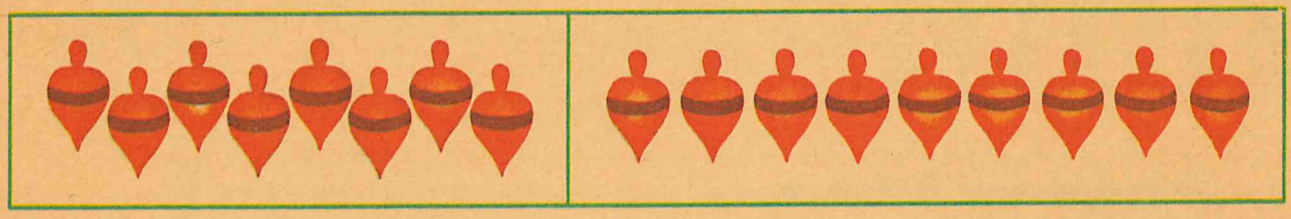
one two three four five

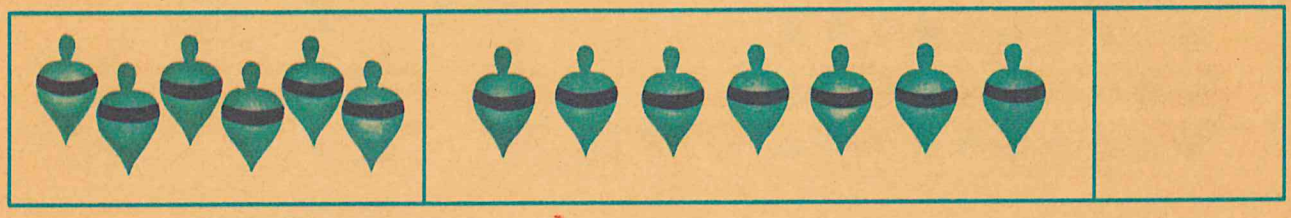


one	1	1	1	1	1	1	1	1	1
two	2	2	2	2	2	2	2	2	2
three	3	3	3	3	3	3	3	3	3
four	4	4	4	4	4	4	4	4	4
five	5	5	5	5	5	5	5	5	5

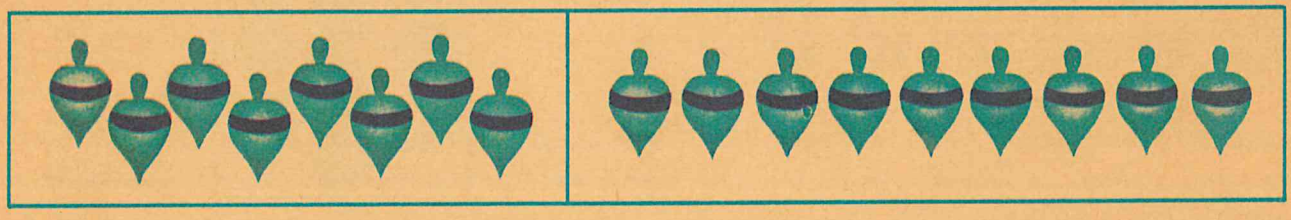


6 7 8 9 0



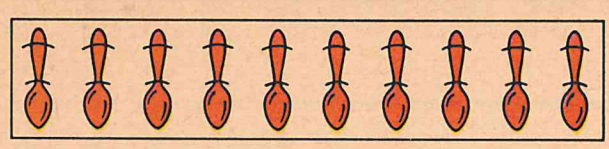


six seven eight nine zero



six	6	6	6	6	6	6	6	6	6
seven	7	7	7	7	7	7	7	7	7
eight	8	8	8	8	8	8	8	8	8
nine	9	9	9	9	9	9	9	9	9
zero	0	0	0	0	0	0	0	0	0

Count the tens in the pictures.



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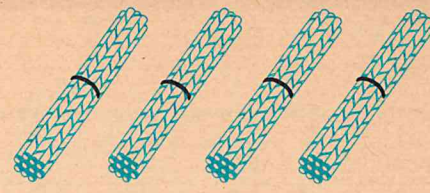

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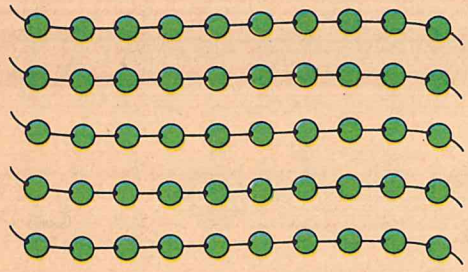

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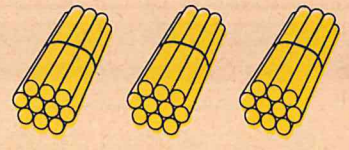

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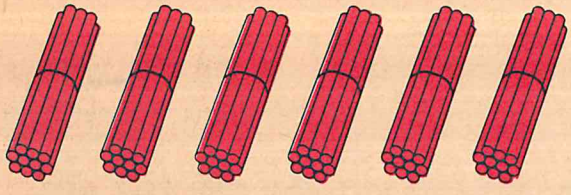

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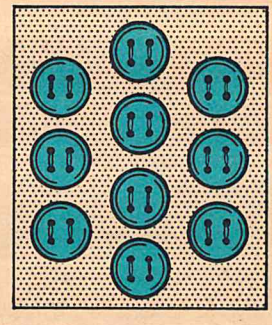

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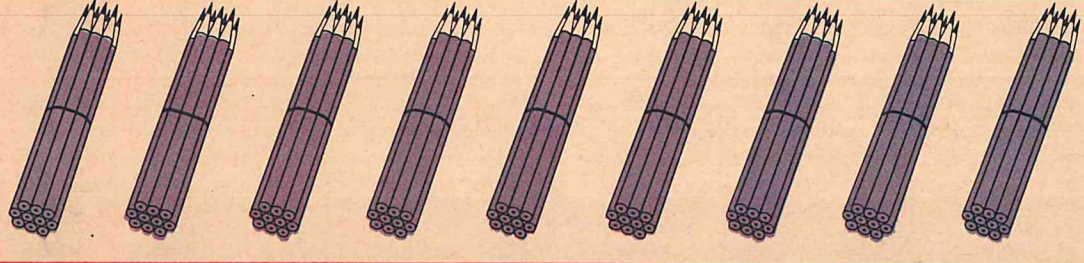

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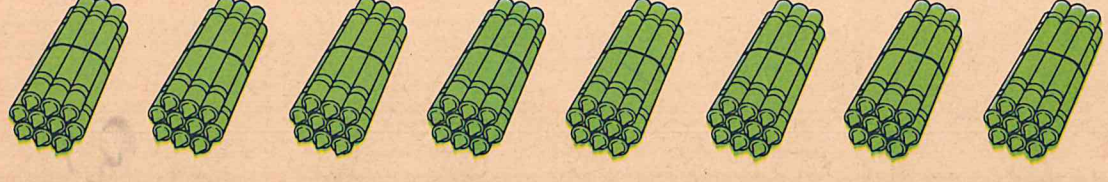

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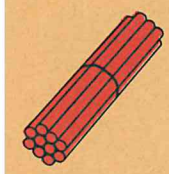

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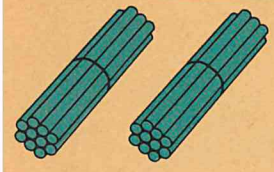

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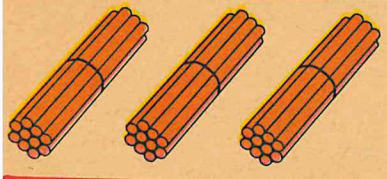

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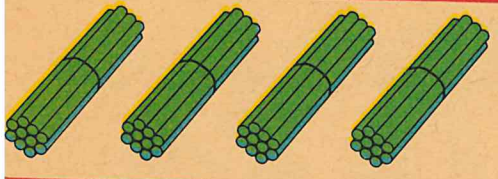

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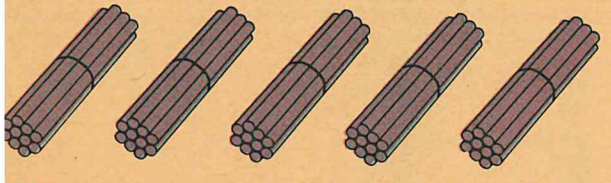

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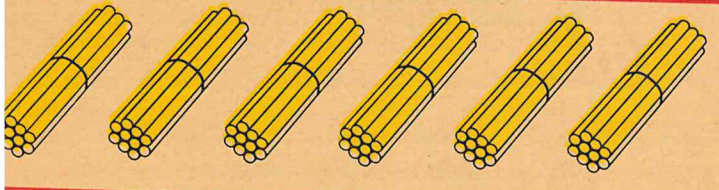

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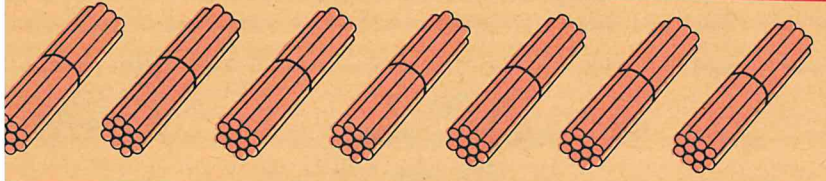

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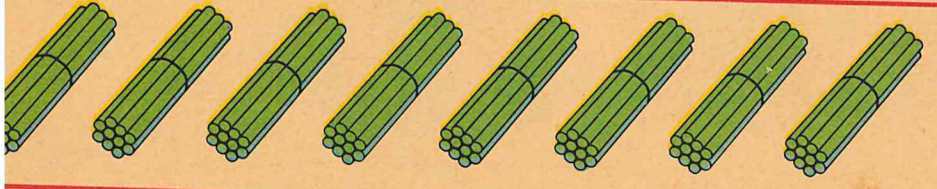

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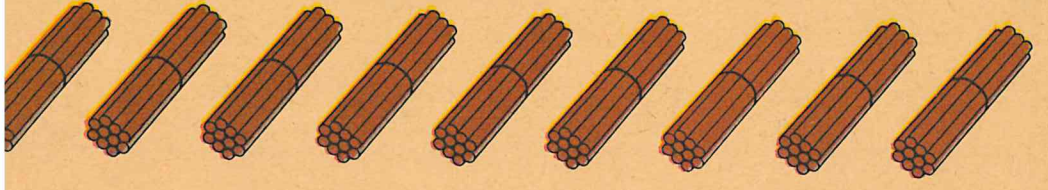

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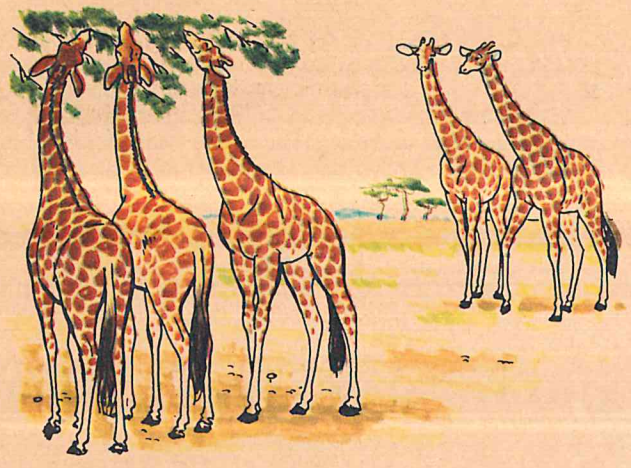
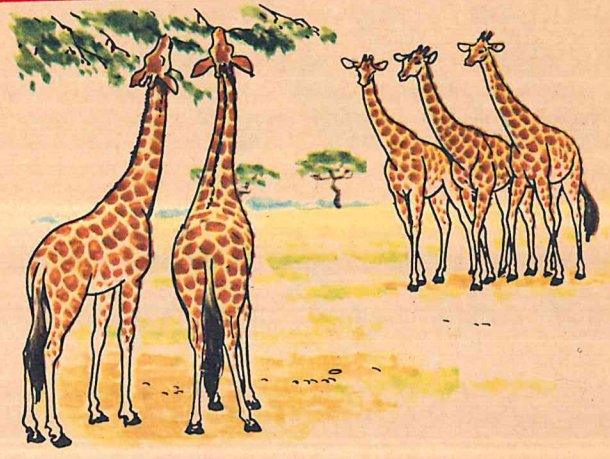
4 and 2 is 6

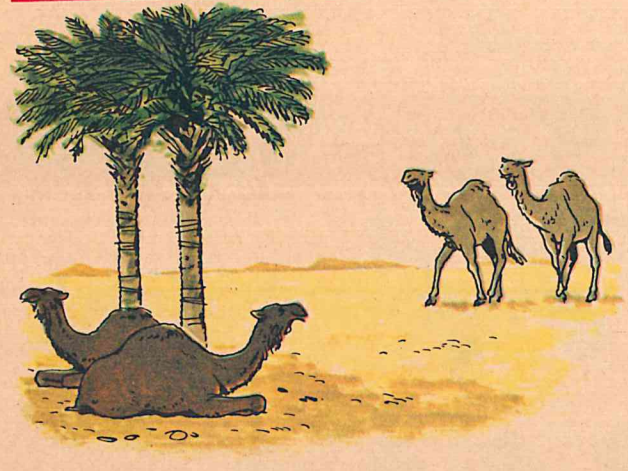
2 and 4 is 6



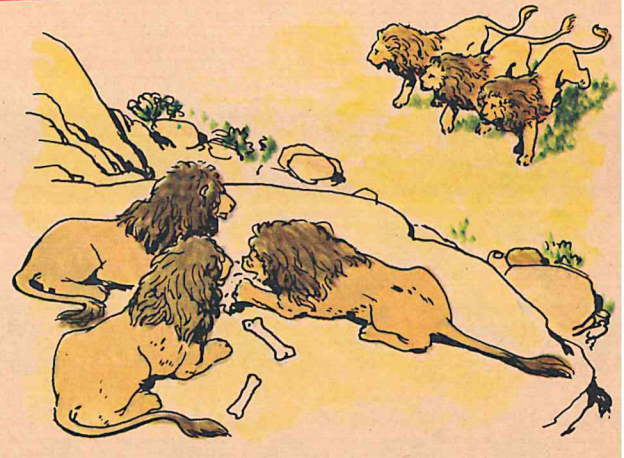
3 and 2 is 5



2 and 3 is 5



2 and 2 is 4



3 and 3 is 6

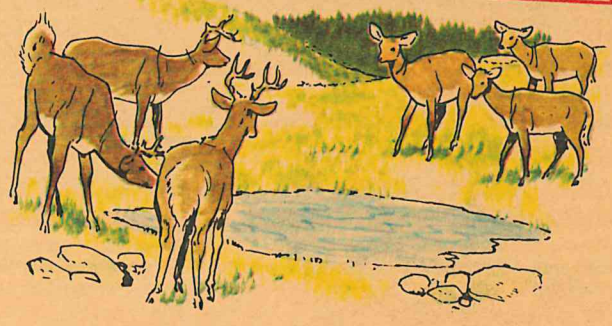
3 and 2 is 5

2 and 3 is 5

4 and 2 is 6

2 and 4 is 6

2 and 2 is 4



3 and 3 is 6

Write the missing numerals.

3 and 2 is 5

4 and 2 is 6

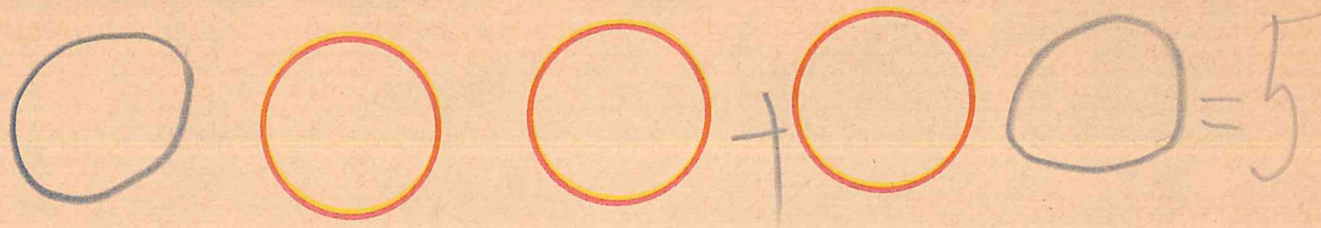
3 and 3 is 6

2 and 3 is 5

2 and 4 is 6

2 and 2 is 4

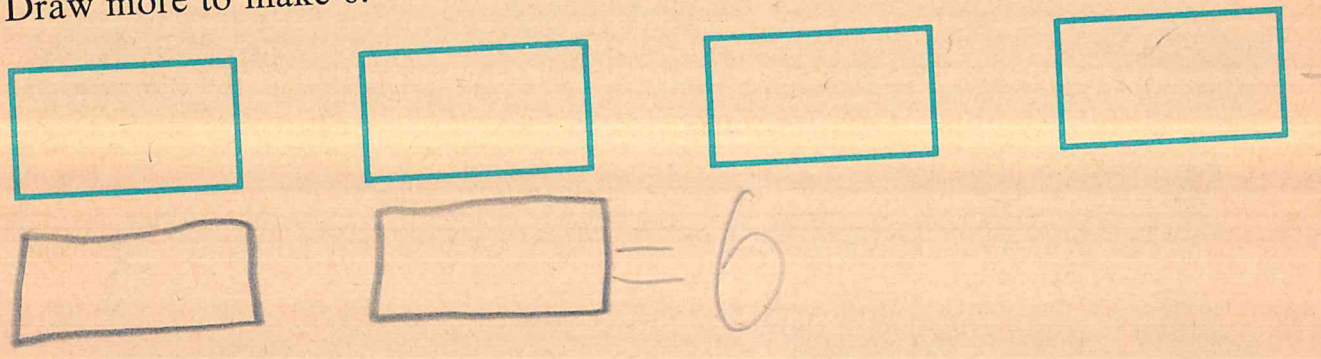
Draw more to make 5.



3 and 2 is 5

2 and 3 is 5

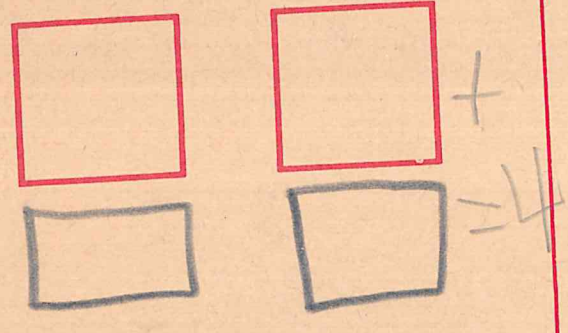
Draw more to make 6.



4 and 2 is 6

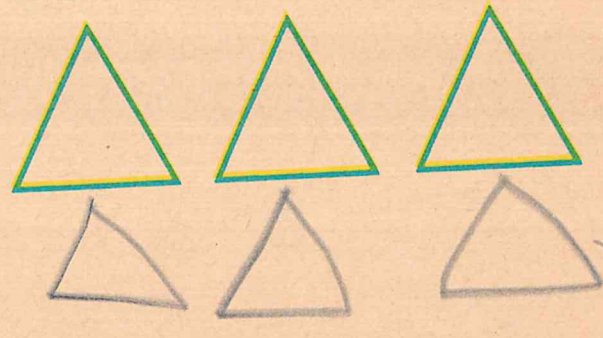
2 and 4 is 6

Draw more to make 4.



2 and 2 is 4

Draw more to make 6.



3 and 3 is 6

Write the number sentence about the children. 3 and 3 is 6

Write the number sentence about the apples. 2 and 2 is 4

Write four more number sentences about the picture.

4 and 2 is 6

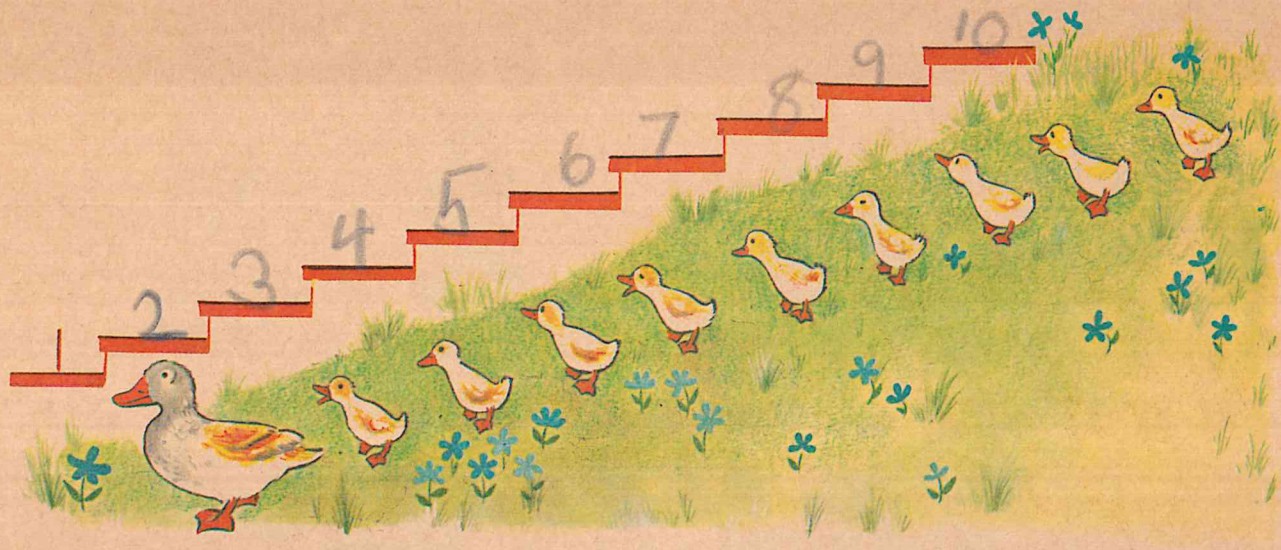
2 and 3 is 5

3 and 2 is 5

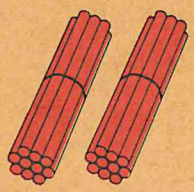
3 and 3 is 6

3 and 3 is 6

2 and 4 is 6



first, second, third, fourth, fifth, sixth, seventh, eighth, ninth, tenth



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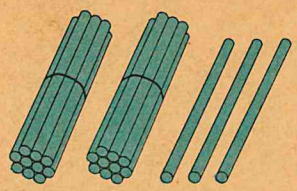

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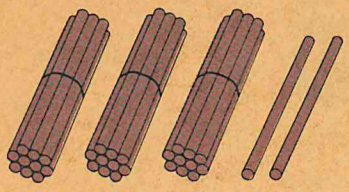

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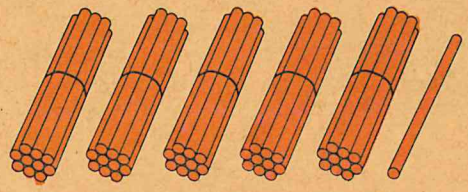

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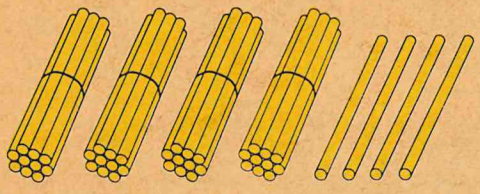

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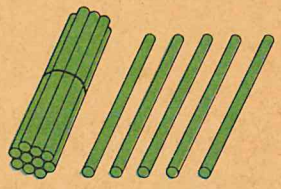

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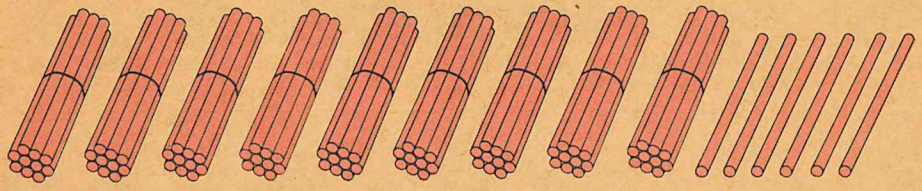

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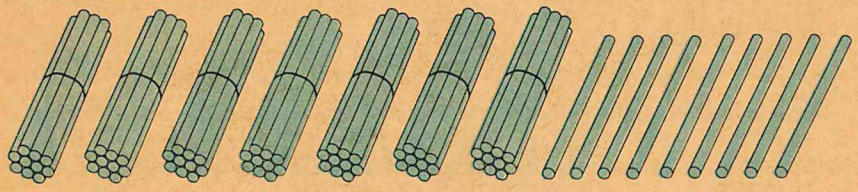

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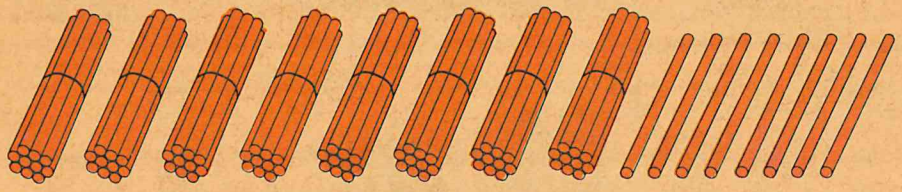

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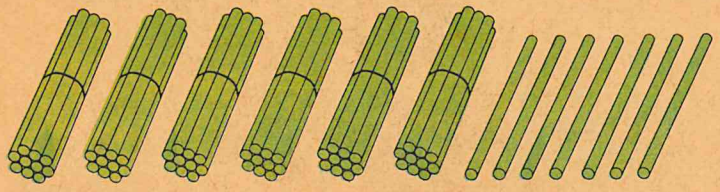

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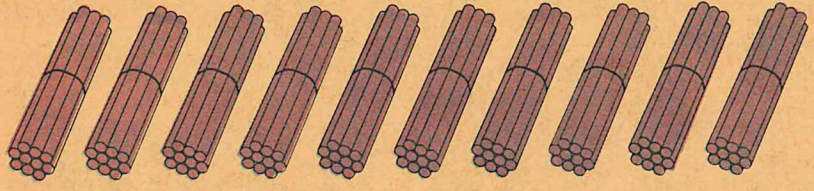

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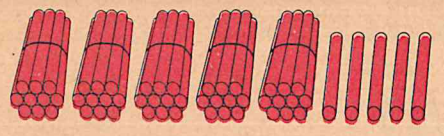

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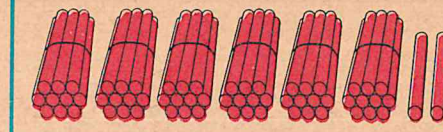

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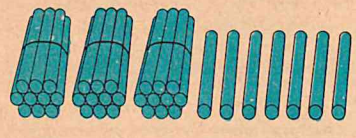

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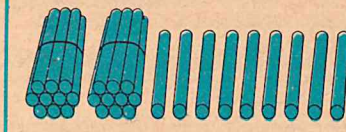

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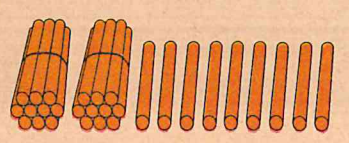

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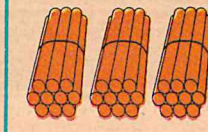

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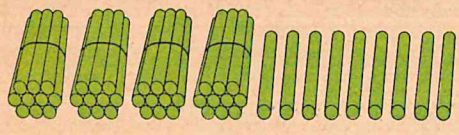

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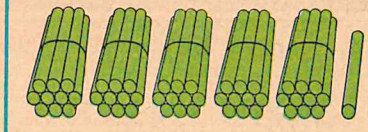

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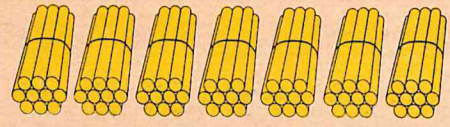

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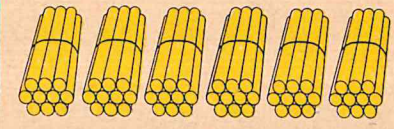

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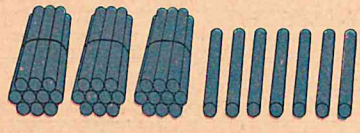

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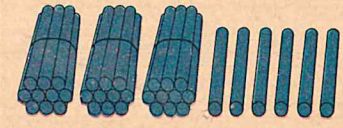

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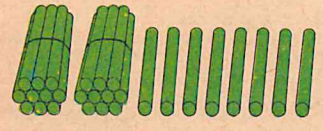

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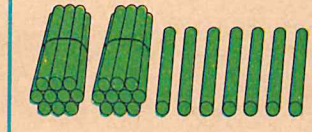

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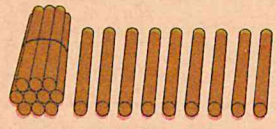

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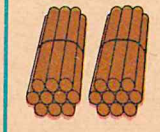

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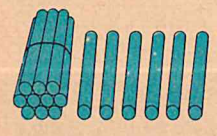

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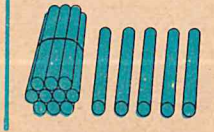


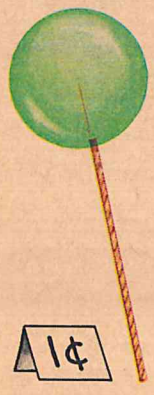
15

1, 2, 3, 4, 5	11, 12, 13, 14, 15
5, 6, 7, 8, 9	15, 16, 17, 18, 19
6, 7, 8, 9, 10	16, 17, 18, 19, 20
4, 5, 6, 7, 8	14, 15, 16, 17, 18
7, 8, 9, 10	17, 18, 19, 20
1, 2, 3, 4	11, 12, 13, 14
5, 6, 7, 8	15, 16, 17, 18
2, 3, 4, 5	12, 13, 14, 15
7, 8, 9, 10	17, 18, 19, 20
3, 4, 5, 6	13, 14, 15, 16
8, 9, 10	18, 19, 20
2, 3, 4	12, 13, 14
7, 8, 9, 10	17, 18, 19, 20

1 cent

5 cents

10 cents

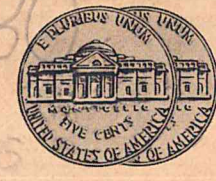


1¢

+

5

+



=

10

5¢

+

10

10¢

+

=

10

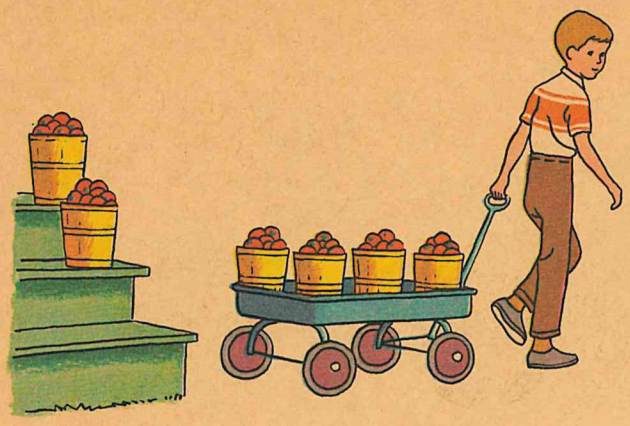
Tell how much money.

7 cents

8 cents

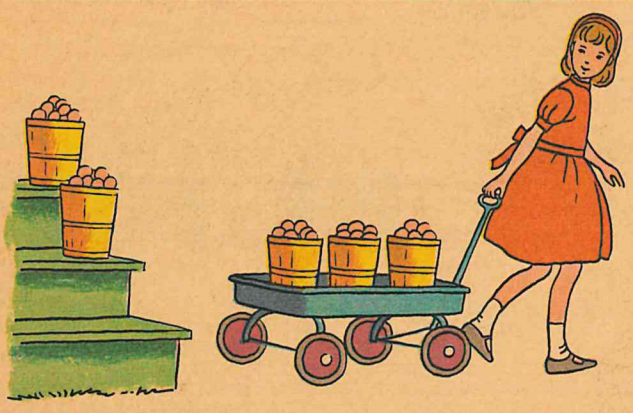
14 cents

15 cents

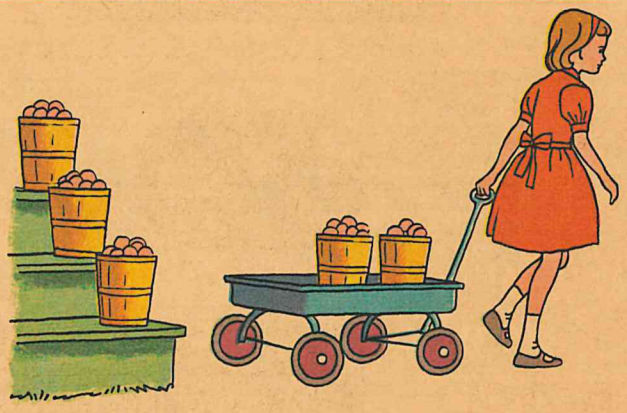


_____ less _____ is _____

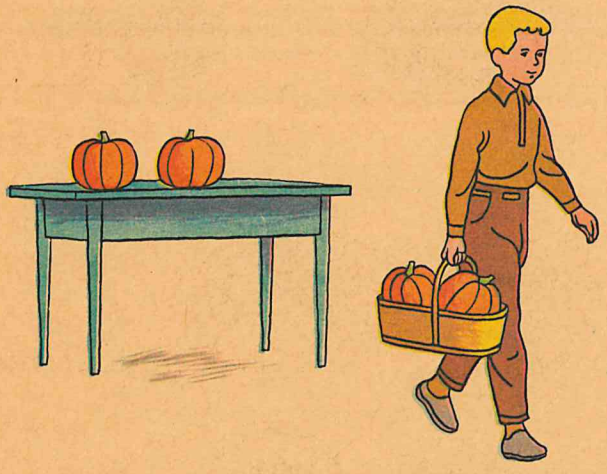
_____ less _____ is _____



_____ less _____ is _____



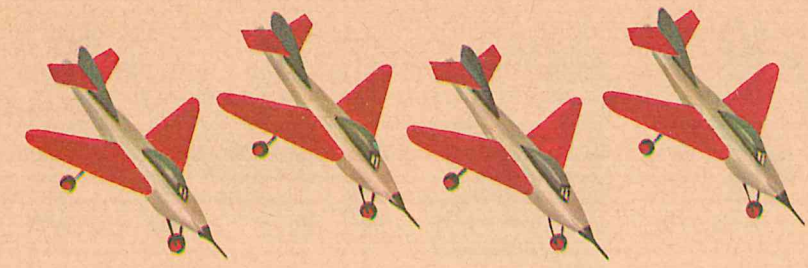
_____ less _____ is _____

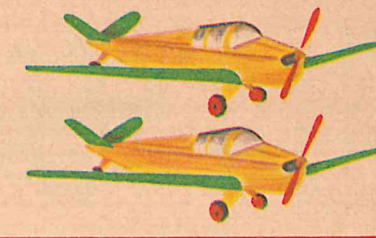


_____ less _____ is _____

_____ less _____ is _____

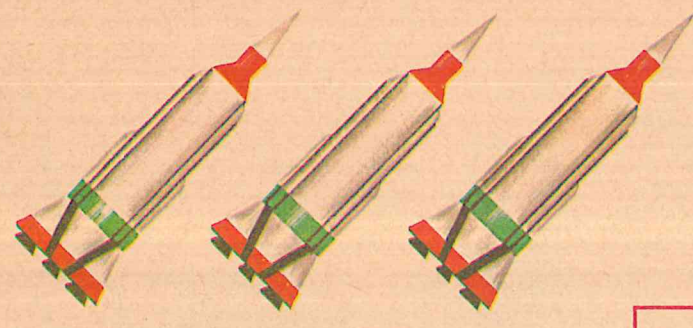
First, think of a number story.
Then write the missing numerals.

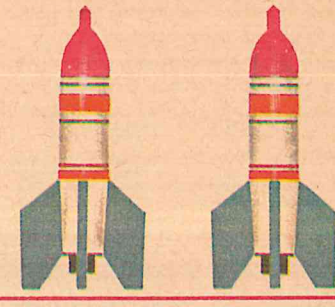




_____ less _____ is _____

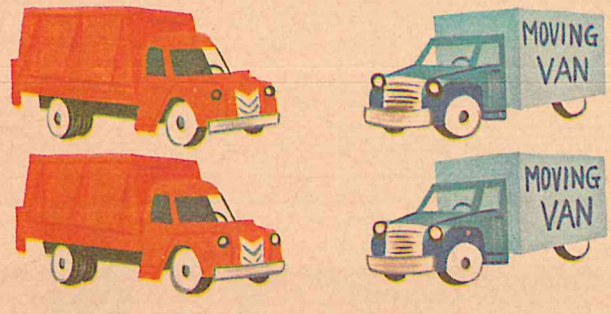
_____ less 4 is _____



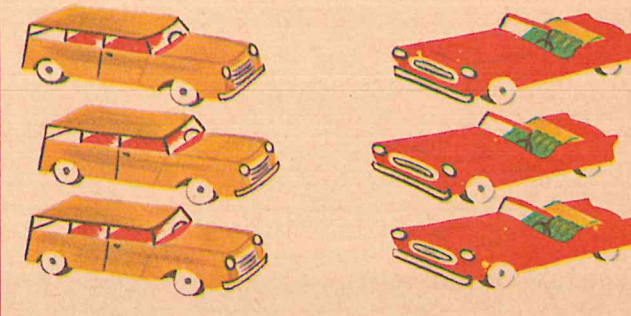


_____ less _____ is _____

_____ less 3 is _____



_____ less _____ is _____



_____ less _____ is _____

Write the missing numerals.

5 less 3 is _____

5 less 2 is _____

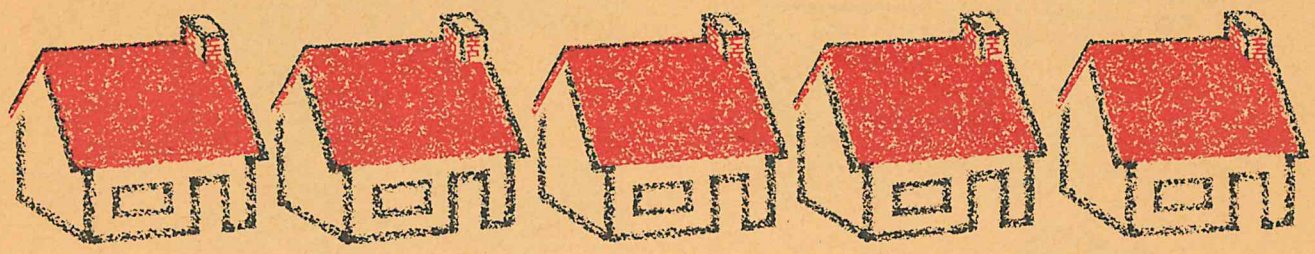
6 less 4 is _____

6 less 2 is _____

4 less 2 is _____

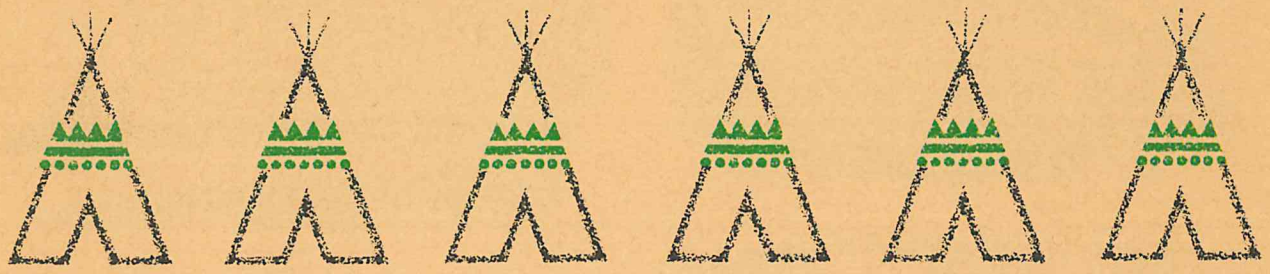
6 less 3 is _____

Find how many there are in a picture.
Then write the missing numerals.



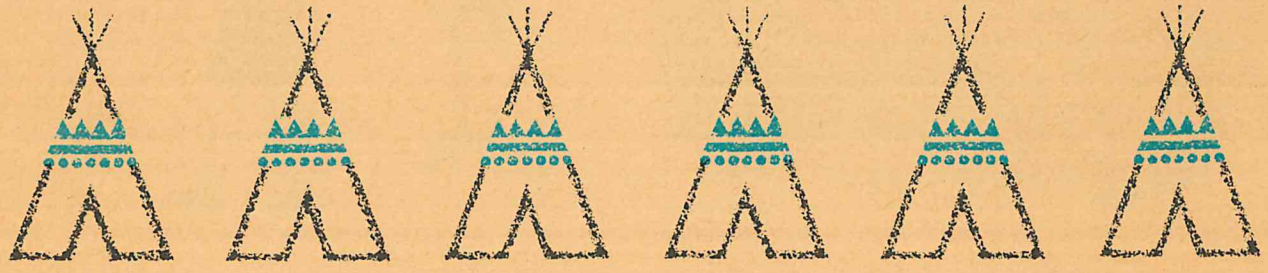
___ less 2 is ___

___ less 3 is ___



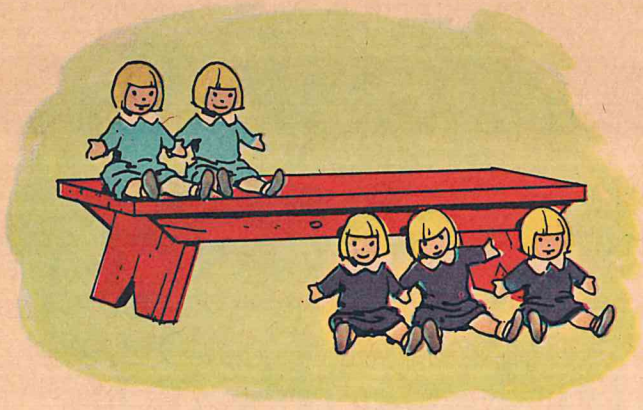
___ less 2 is ___

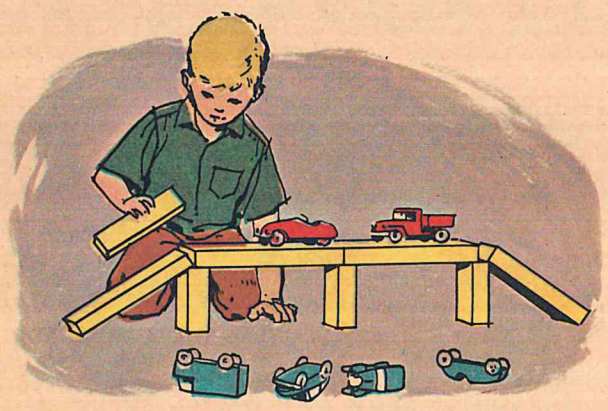
___ less 4 is ___

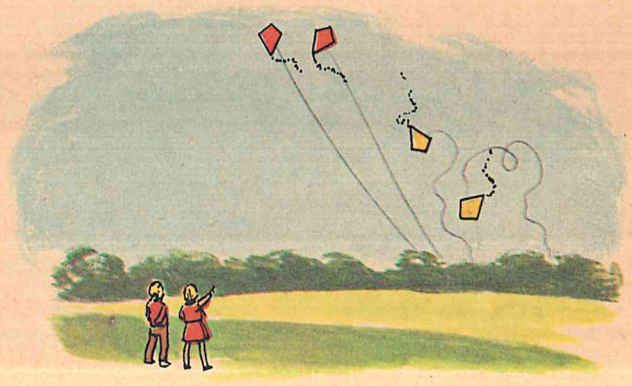


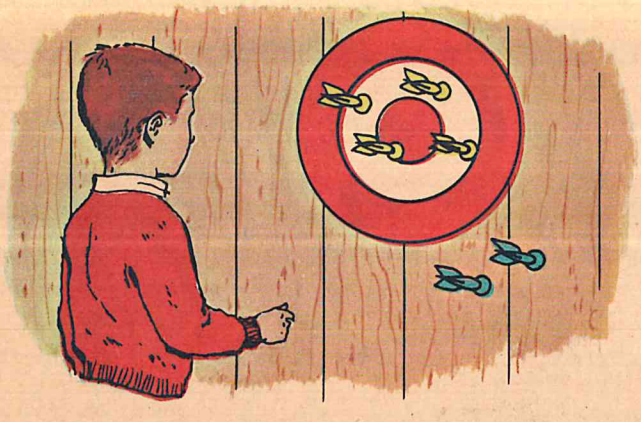
___ less 3 is ___

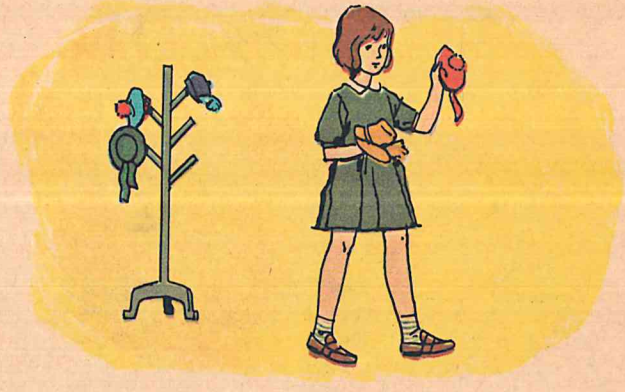
___ less 2 is ___











Write the number sentence about the dolls. _____ less _____ is _____

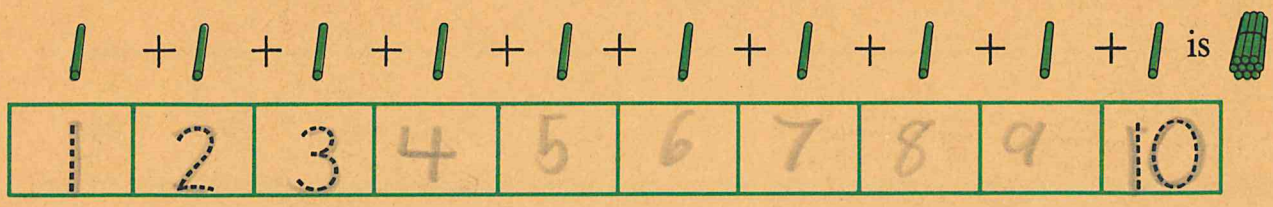
Write the number sentence about the boats. _____ less _____ is _____

Write the number sentence about the cars. _____ less _____ is _____

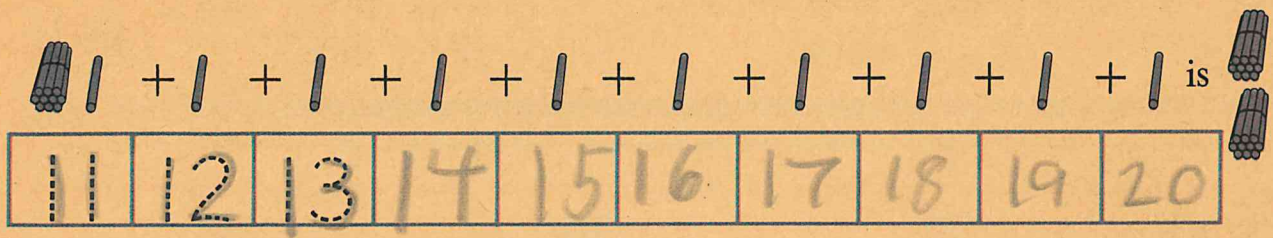
Write the number sentence about the kites. _____ less _____ is _____

Write two more number sentences about the pictures.

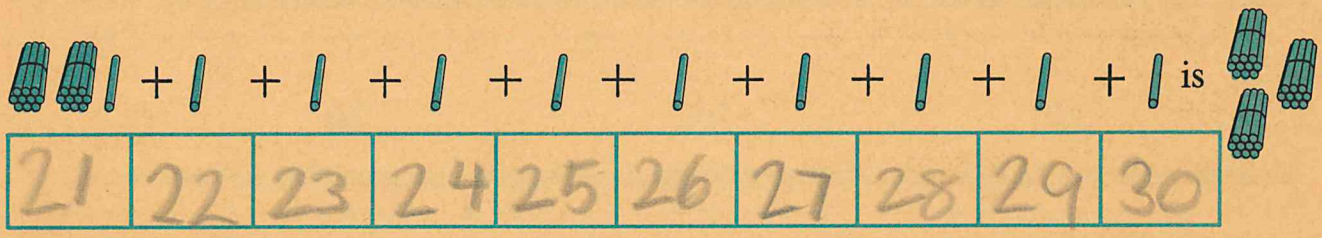
_____ less _____ is _____ _____ less _____ is _____



1	2	3	4	5	6	7	8	9	10

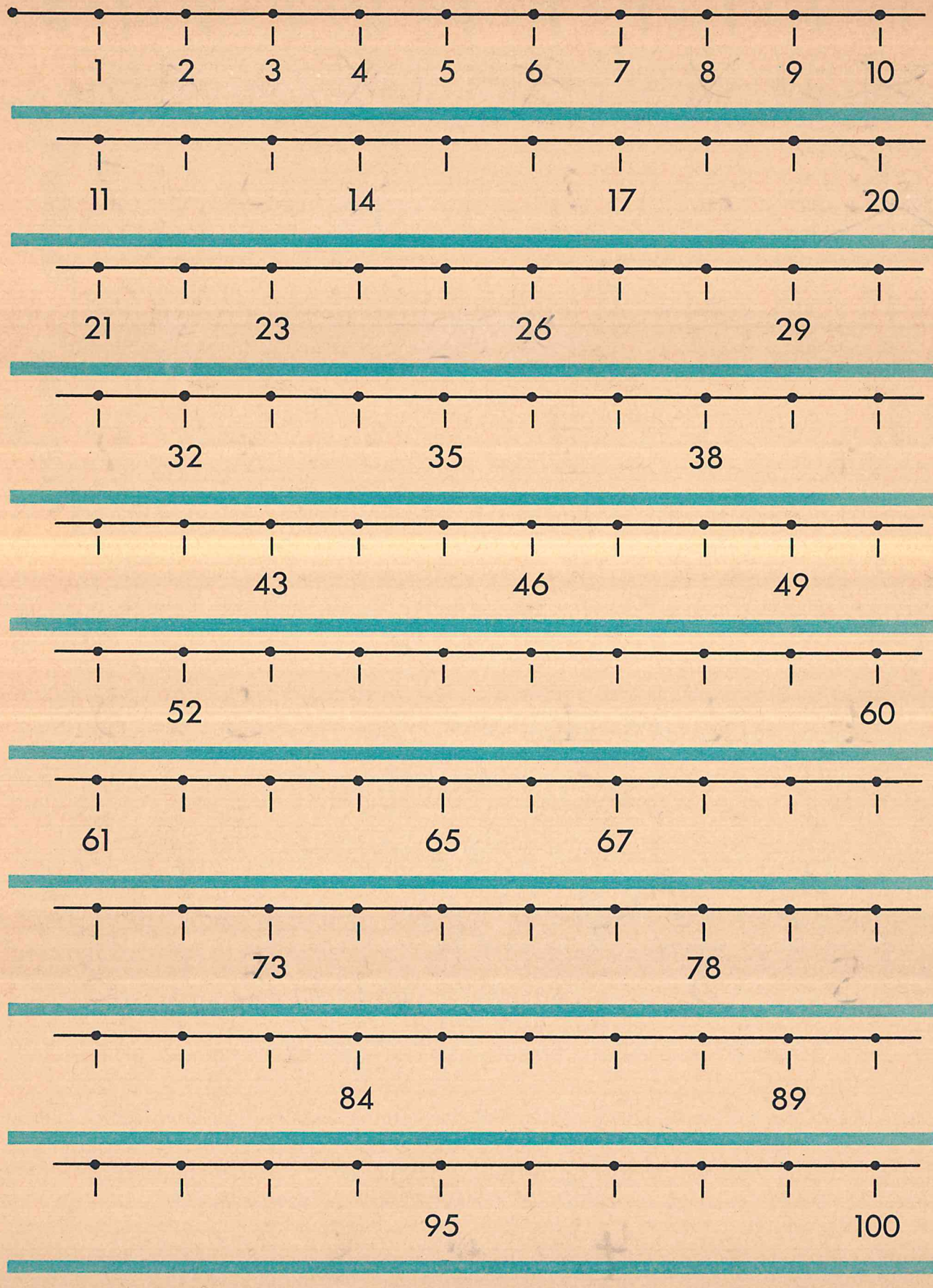


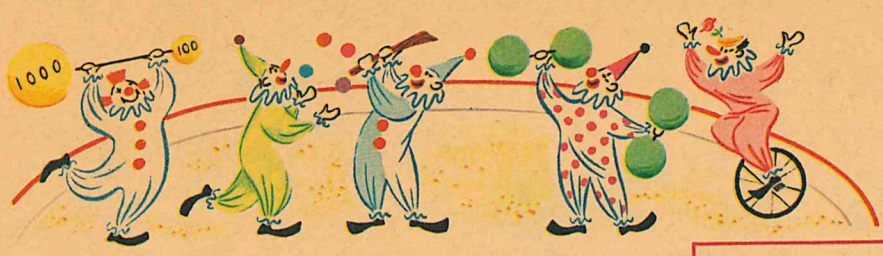
11	12	13	14	15	16	17	18	19	20



21	22	23	24	25	26	27	28	29	30

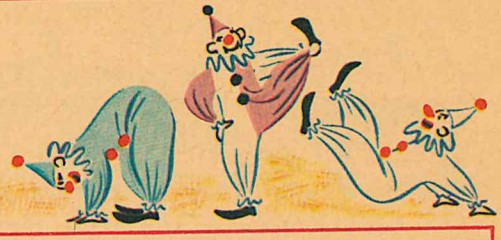
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100


1 2 3 4 5 6 7 8 9 10
11 14 17 20
21 23 26 29
32 35 38
43 46 49
52 60
61 65 67
73 78
84 89
95 100



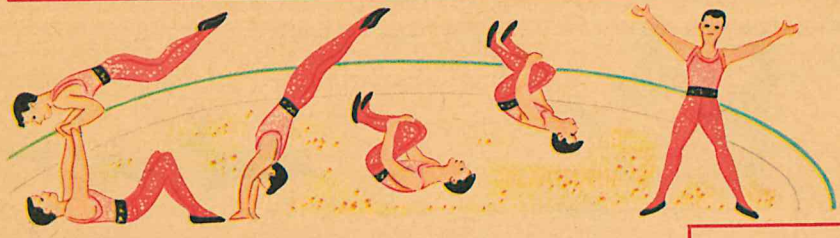
5 + 2 = 7

2 + 5 = 7



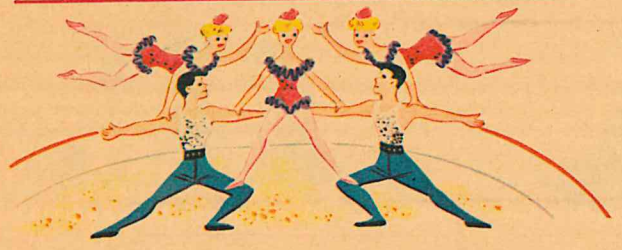
4 + 3 = 7

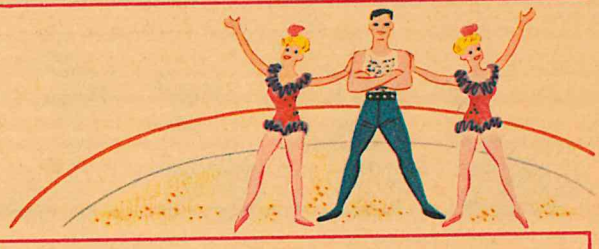
3 + 4 = 7



6 + 2 = 8

2 + 6 = 8

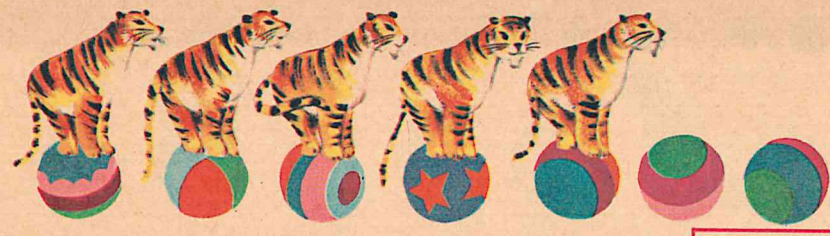




5 + 3 = 8

3 + 5 = 8

4 + 4 = 8



5 - 2 = 3

5 - 5 = 0

4 - 3 = 1

3 - 4 = 1

6 - 2 = 4

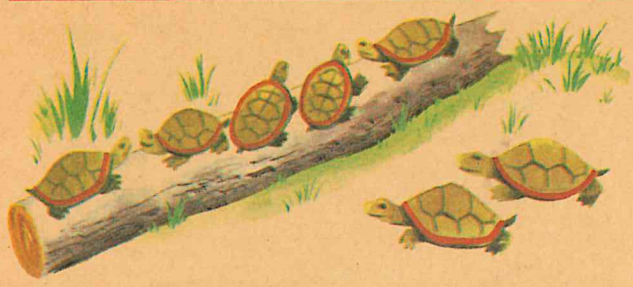
2 - 6 = 4

5 - 3 = 2

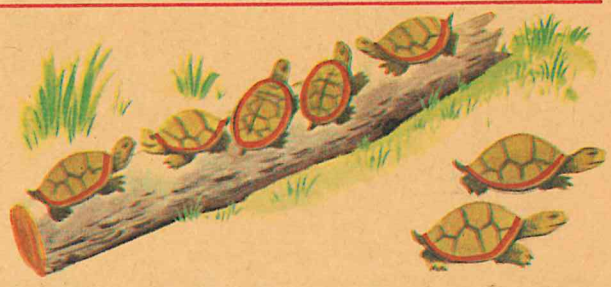
3 - 5 = 2

4 - 4 = 4

First, think of the number story that each picture shows.
Then write the missing numerals and the sign.

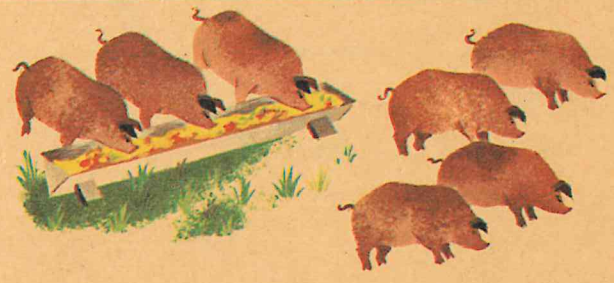


5 + 2 = 7

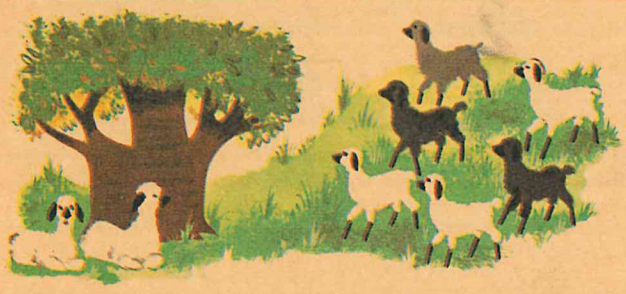


5 − 2 = 3

3 + 4 = 7

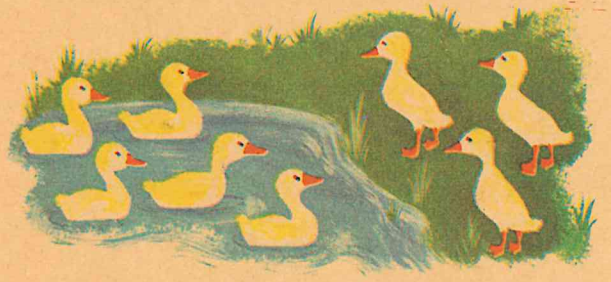


3 − 4 = 1

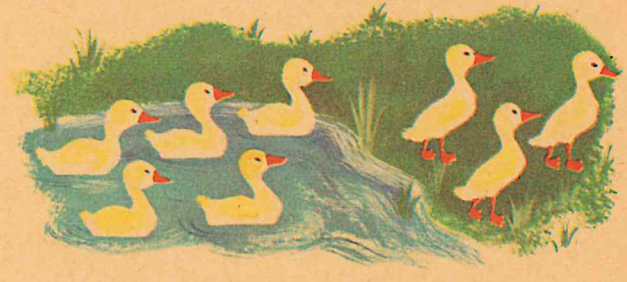


2 + 6 = 8

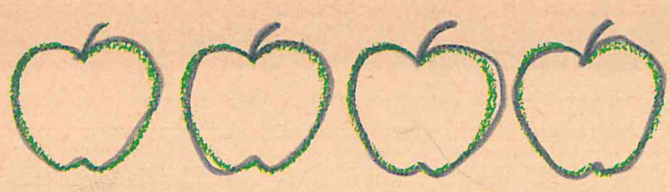
2 − 6 = 4



5 + 3 = 8

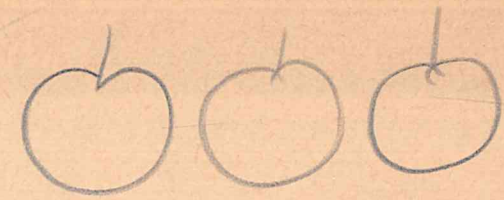


5 − 3 = 2



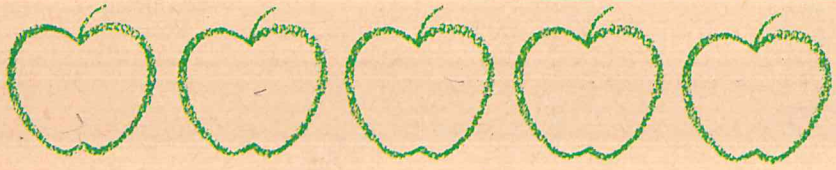
4 + 3 = 7

7 - 3 = 4



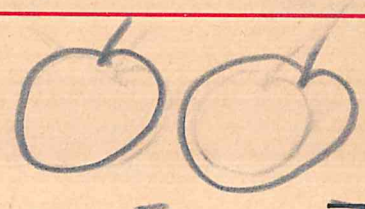
3 + 4 = 7

3 - 4 = 1



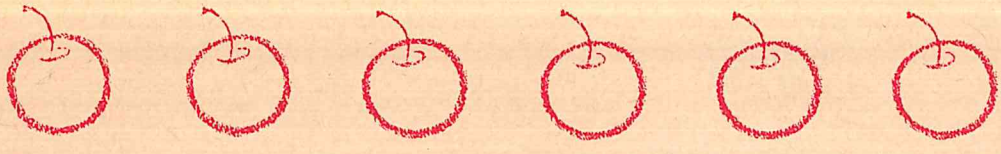
5 + 2 = 7

5 - 2 = ___



2 + 5 = 7

7 - 5 = 2



6 + 2 = 8

6 - 2 = 4

2 + 6 = 8

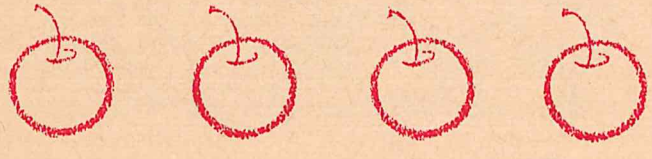
___ - 6 = ___

___ + ___ = 8

___ - 3 = ___

___ + ___ = 8

___ - 5 = ___



___ + ___ = 8

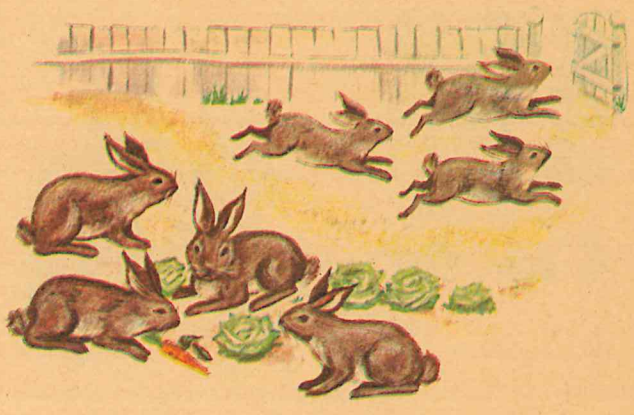
___ - 4 = ___

Find what the number story is for each picture.
Then write the number sentence.

7 - 2 = 5

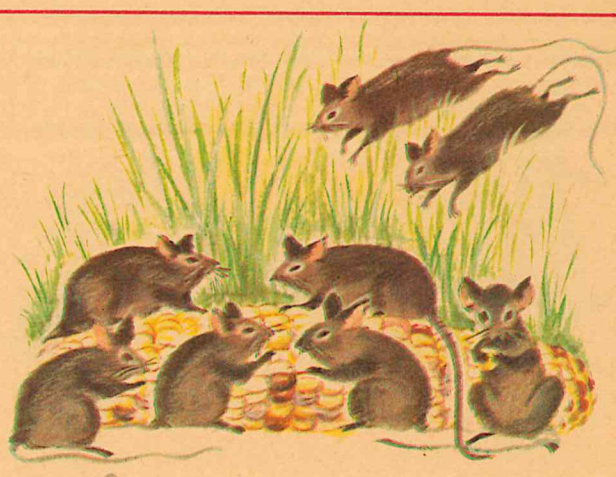
3 + 5 = 8

3 + 2 = 5



7 - 3 = 4

5 - 2 = 3

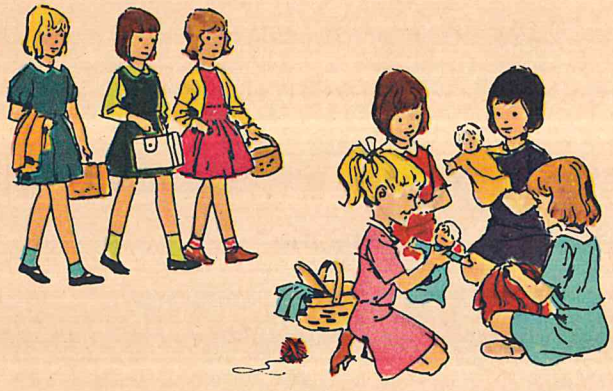


6 + 2 = 8

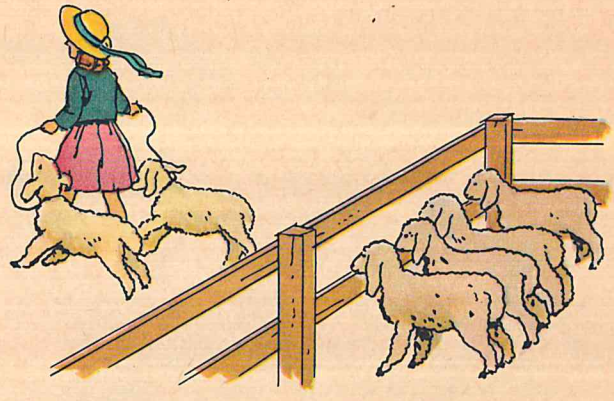
First, see if you can tell the number story.
Then write the number sentence.

___ ___ = ___

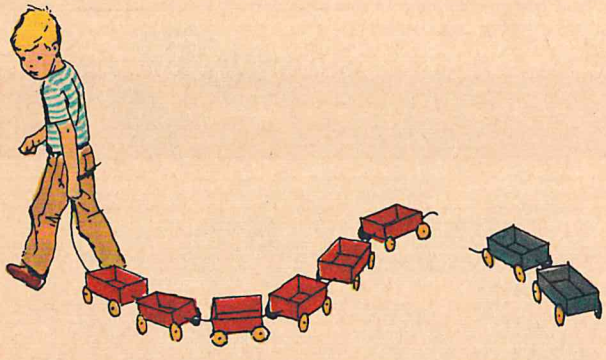
___ ___ = ___



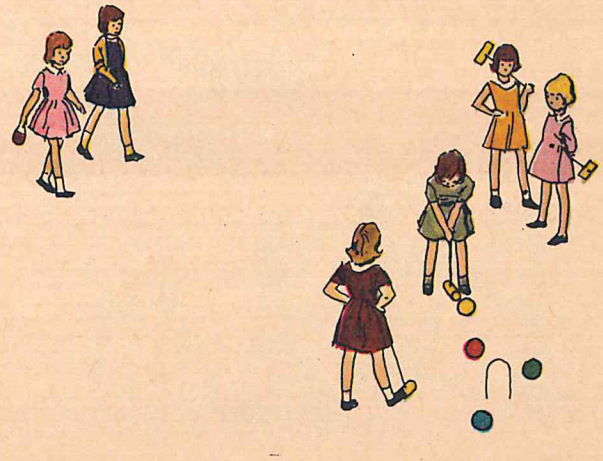
___ ___ = ___



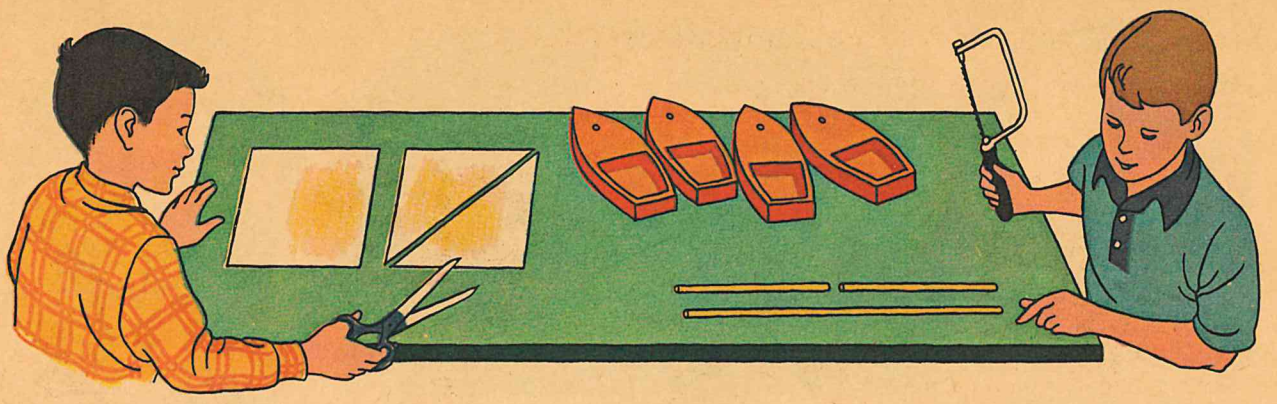
___ ___ = ___



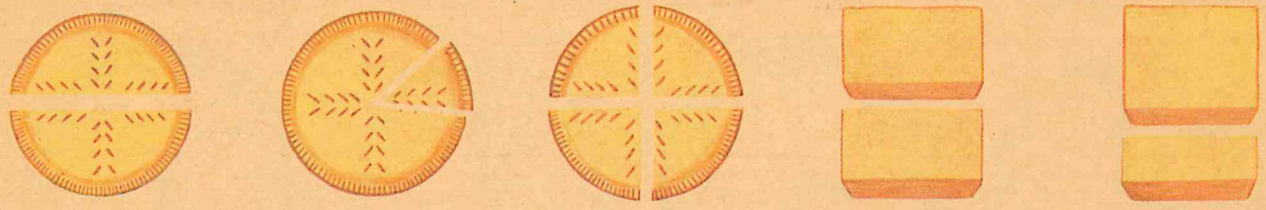
___ ___ = ___



___ ___ = ___



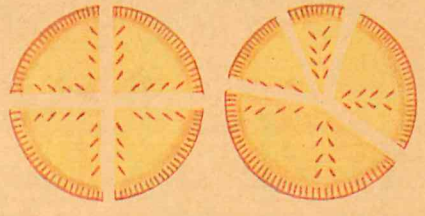
How many pieces?



____ ____ ____ ____ ____

Is each piece one half?

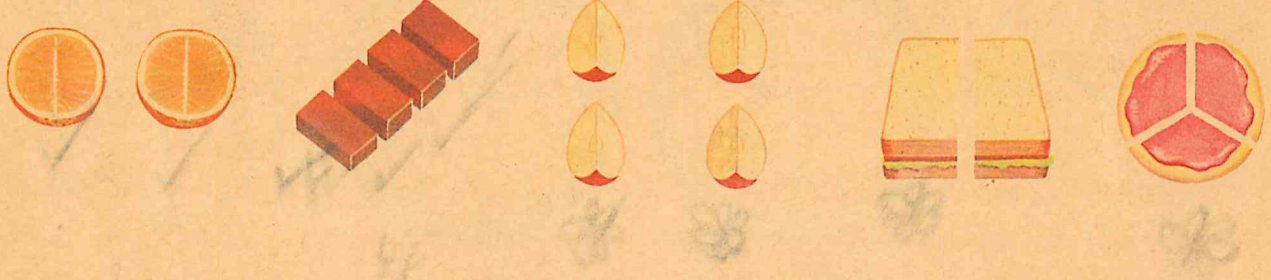
How many pieces?



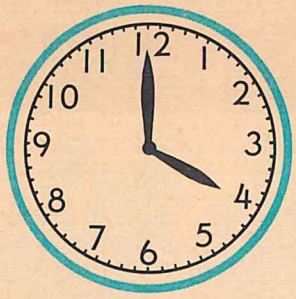
____ ____

Is each piece one fourth?

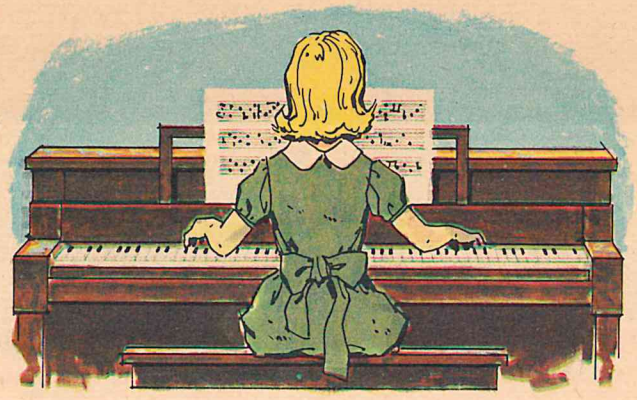
Make a ✻ below the pictures of halves.
Make a ✓ below the pictures of fourths.

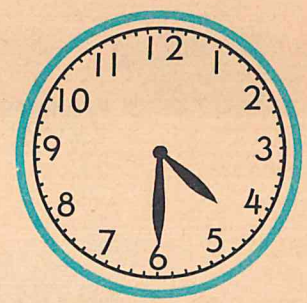


____ ____ ____ ____ ____



4 o'clock

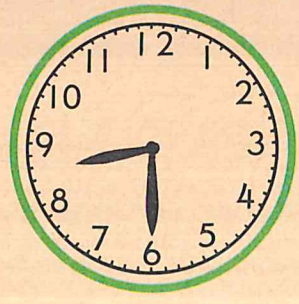




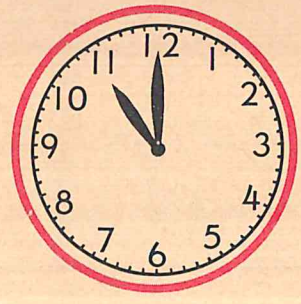
half past 4

What time is it?

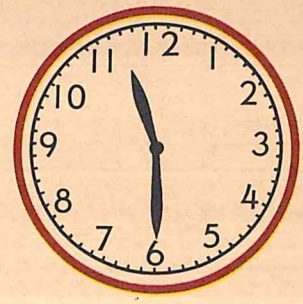
8 o'clock



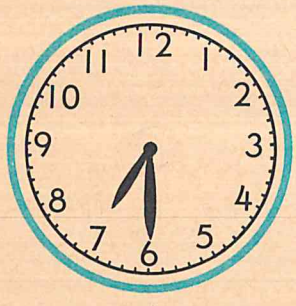
half past 8



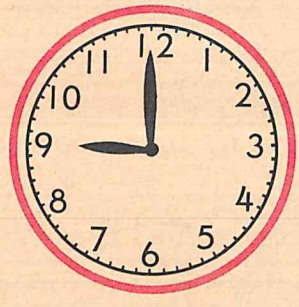
11 o'clock



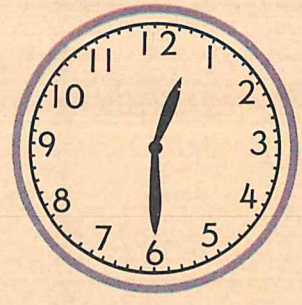
half past 11



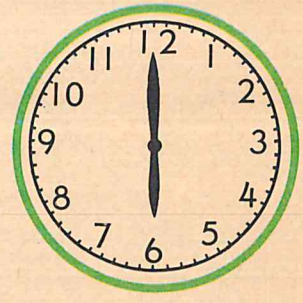
half past 7



9 o'clock

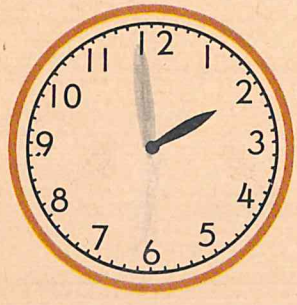


half past 12

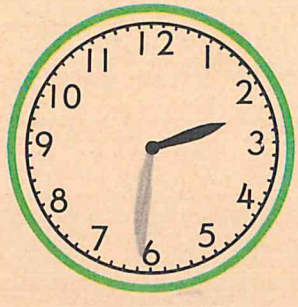


12 o'clock

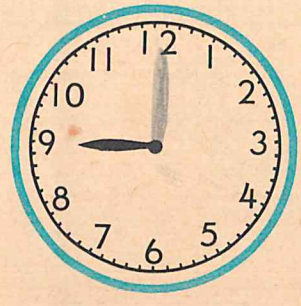
Make the clocks tell the time.



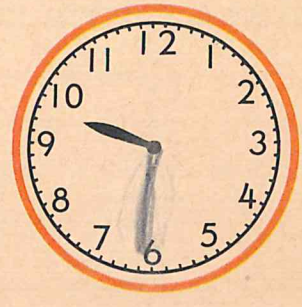
2 o'clock



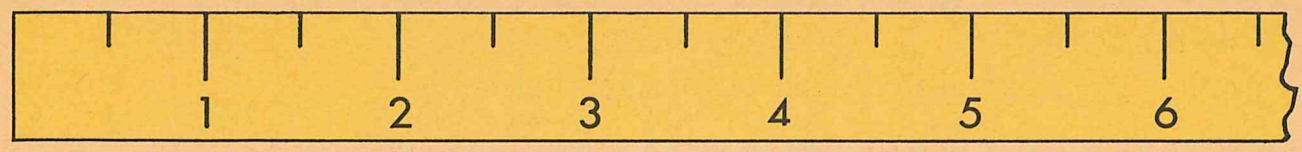
half past 2

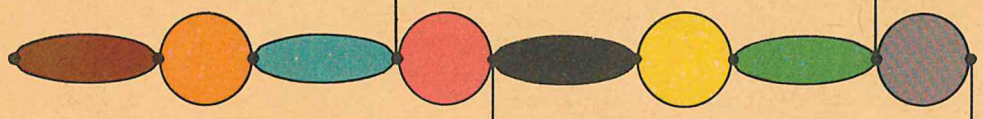


9 o'clock



half past 9





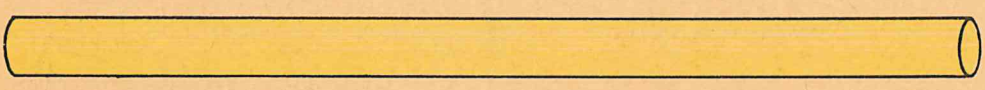
2 inches

4 and one half inches

2 and one half inches

5 inches

Write the numeral that tells how long each picture is.



5 inches

2 and one half inches

4 inches

3 and one half inches

How tall are the girl dolls and the boy dolls?
Write the numerals that tell.

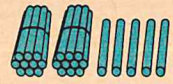
1 and one half inches

2 inches

2 and one half inches

3 inches

Write the numerals.
Check ✓ the numeral that names the larger number.



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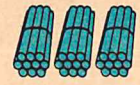

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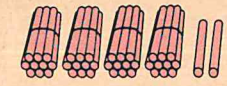

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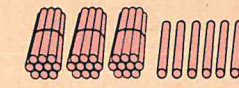

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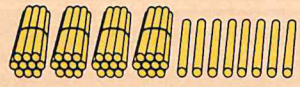

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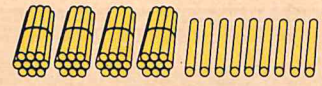

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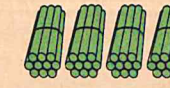

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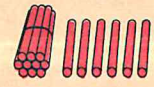

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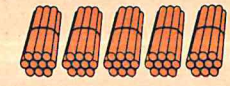

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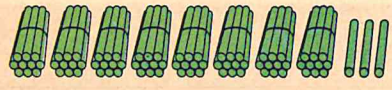

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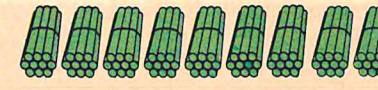

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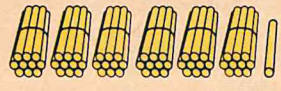

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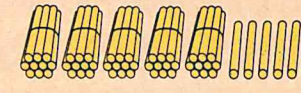

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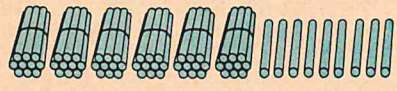

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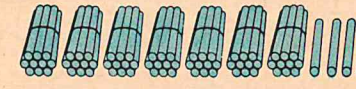
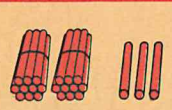


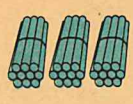
_____

Tell how many tens and how many ones each numeral means.



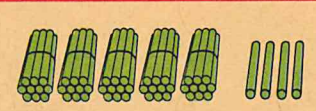
tens ones

2 3



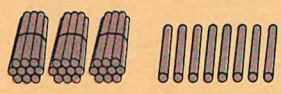
tens ones

3 0



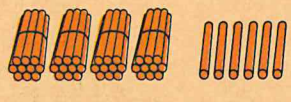
tens ones

5 4



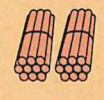
tens ones

3 8



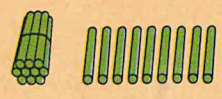
tens ones

4 6



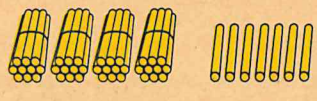
tens ones

2 0



tens ones

1 9

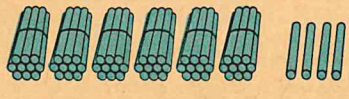


tens ones

4 7

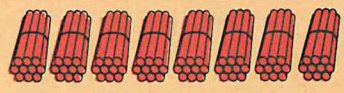
tens ones

1 0



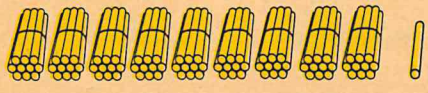
tens ones

6 4



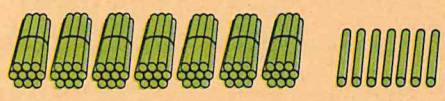
tens ones

8 0



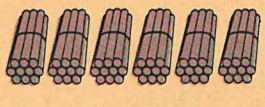
tens ones

9 1



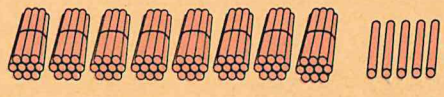
tens ones

7 7



tens ones

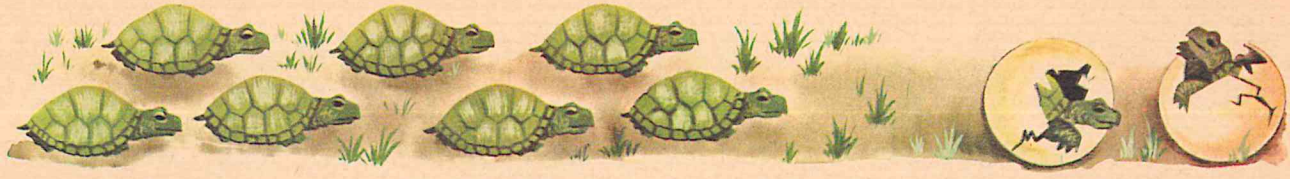
6 0



tens ones

8 5

The pictures show what John and Tom saw on Monday.



$7 + 2 = 9$ $\quad$ $2 + 7 = 9$

$9 - 2 = 7$ $\quad$ $9 - 7 = 2$

$6 + 3 = 9$ $\quad$ $3 + 6 = 9$

$9 - 3 = 6$ $\quad$ $9 - 6 = 3$

$5 + 4 = 9$ $\quad$ $4 + 5 = 9$

$9 - 4 = 5$ $\quad$ $9 - 5 = 4$

7	2	9	9	6	3	9	9	5	4
+2	+7	−2	−7	+3	+6	−3	−6	+4	+5
9	9	7	2	9	9	6	3	9	9

9	9	4	7	8	5	8	5	3	7
−4	−5	+4	−4	−2	+3	−4	+2	+4	−5
5	4	8	3	6	8	4	7	7	2

54

These pictures show some things Mary saw on Tuesday.

$8 + 2 = 10$ 30 $2 + 8 = 10$

$10 - 2 = 8$ $10 - 8 = 2$

$7 + 3 = 10$ 30 $3 + 7 = 10$

$10 - 3 = 7$ $10 - 7 = 3$

$6 + 4 = 10$ 30 $4 + 6 = 10$

$10 - 4 = 6$ $10 - 6 = 4$

$5 + 5 = 10$ $10 - 5 = 5$

5	10	6	4	10	10	7	3	10	10
+5	−5	+4	+6	−4	−6	+3	+7	−3	−7
10	5	10	10	6	4	10	10	7	3

8	2	10	10	2	8	3	9	2	9
+2	+8	−2	−8	+5	−3	+6	−2	+6	−4
10	10	8	2	7	5	9	7	8	5

$7 + 2 = 9$
$9 - 2 = 7$

$2 + 7 = 9$
$9 - 7 = 2$

$6 + 3 = 9$
$9 - 3 = 6$

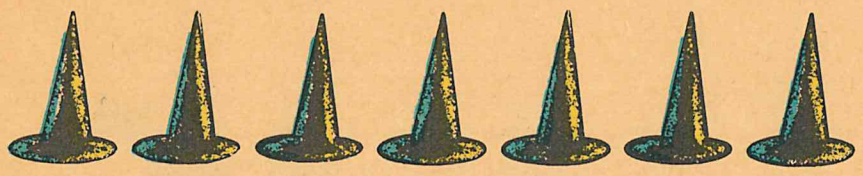
$3 + 6 = 9$
$9 - 6 = 3$

$5 + 4 = 9$
$9 - 4 = 5$

$4 + 5 = 9$
$9 - 5 = 4$

5 + 3 = 10
10 − 2 = 8

3 + 5 = 10
10 − 8 = 2

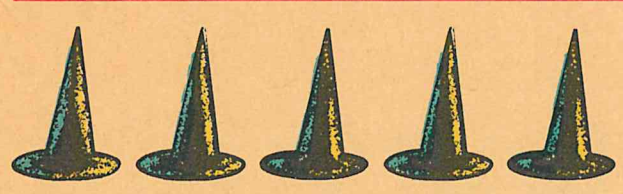


7 + 3 = 10
10 − 3 = 7

3 + 7 = 10
10 − 7 = 3

6 + 4 = 10
10 − 4 = 6

4 + 6 = 10
10 − 6 = 4

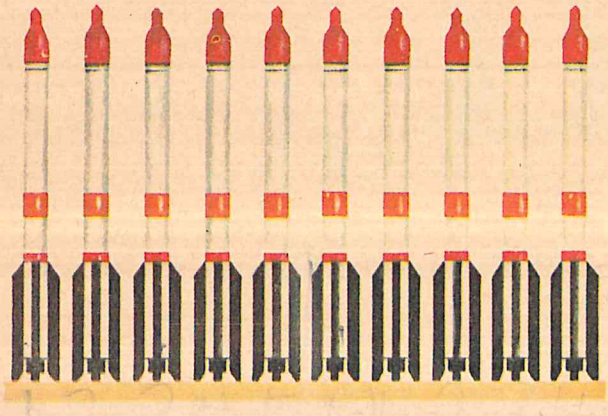


5 + 5 = 10

10 − 5 = 5

4 + 5 = 9

9 - 3 = 6



5 + 5 = 10

3 + 2 = 5

John saw 6 boats Monday and 4 boats Wednesday. How many boats did John see in the two days?

6 + 4 = 10

One day 10 dolls were in a doll show. Mary bought 2 of the dolls. How many dolls were in the show then?

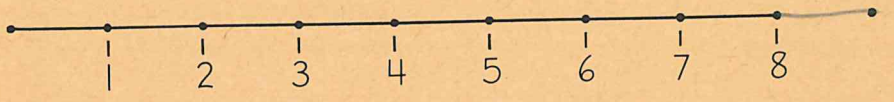
10 - 2 = 8

$6 + 1 =$ 7

$1 + 6 =$ 7

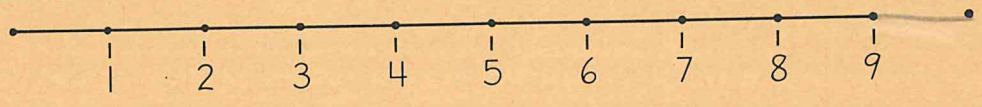
$7 + 1 =$ 8

$1 + 7 =$ 8



$8 + 1 =$ 9

$1 + 8 =$ 9

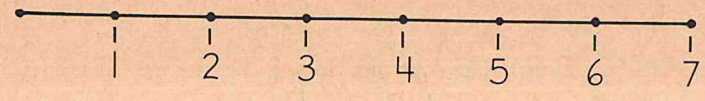


$9 + 1 =$ 10

$1 + 9 =$ 10

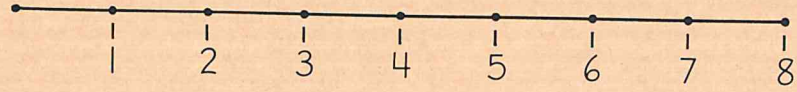
Write the missing numerals.
If you need help in the last row, make pictures.

6	1	7	1	8	1	9	1
+1	+6	+1	+7	+1	+8	+1	+9
7	7	8	8	9	9	10	10
2	1	3	1	4	1	5	1
+1	+2	+1	+3	+1	+4	+1	+5
3	3	4	4	5	5	6	6



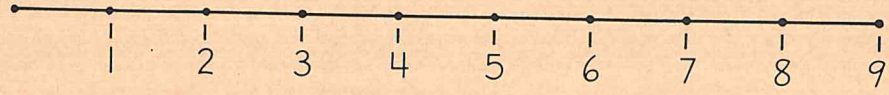
$7 - 1 = \underline{6}$

$7 - 6 = \underline{1}$



$8 - 1 = \underline{7}$

$8 - 7 = \underline{1}$



$9 - 1 = \underline{8}$

$9 - 8 = \underline{1}$

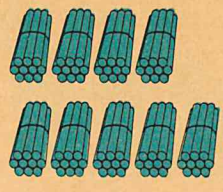
$10 - 1 = \underline{9}$

$10 - 9 = \underline{1}$

Write the missing numerals.
If you need help in the last row, make pictures.

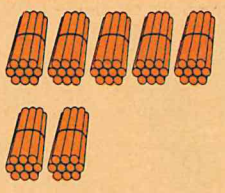
7	7	8	8	9	9	10	10
-1	-6	-1	-7	-1	-8	-1	-9
6	1	7	1	8	1	9	
3	3	4	4	5	5	6	6
-1	-2	-1	-3	-1	-4	-1	-5
2	1	3	1	4	1	5	

$$\begin{array}{r} 4 \\ +\,5 \\ \hline 9 \end{array}$$

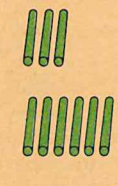


$$\begin{array}{r} 40 \\ +\,50 \\ \hline 90 \end{array}$$

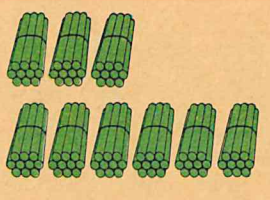
$$\begin{array}{r} 5 \\ +\,2 \\ \hline 7 \end{array}$$



$$\begin{array}{r} 50 \\ +\,20 \\ \hline 70 \end{array}$$

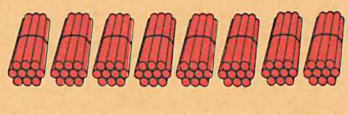


$$\begin{array}{r} 3 \\ +\,6 \\ \hline 9 \end{array}$$

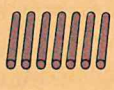


$$\begin{array}{r} 30 \\ +\,60 \\ \hline 90 \end{array}$$

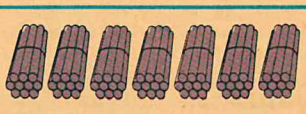
$$\begin{array}{r} 8 \\ -\,3 \\ \hline 5 \end{array}$$



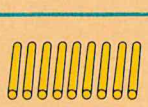
$$\begin{array}{r} 80 \\ -\,30 \\ \hline 50 \end{array}$$



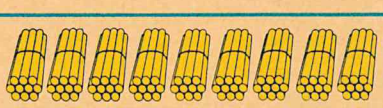
$$\begin{array}{r} 7 \\ -\,5 \\ \hline 2 \end{array}$$



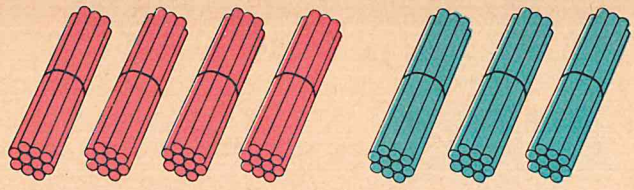
$$\begin{array}{r} 70 \\ -\,50 \\ \hline 20 \end{array}$$



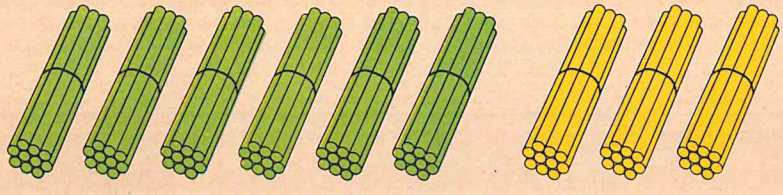
$$\begin{array}{r} 9 \\ -\,4 \\ \hline 5 \end{array}$$



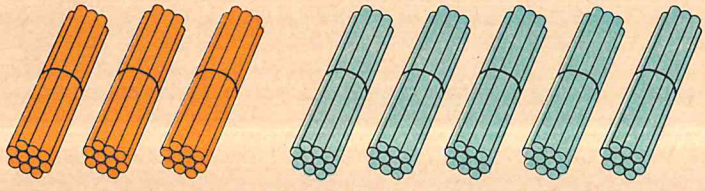
$$\begin{array}{r} 90 \\ -\,40 \\ \hline 50 \end{array}$$



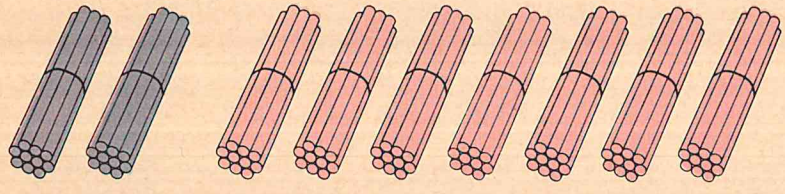
$$\begin{array}{r} 40 \\ +30 \\ \hline 70 \end{array} \qquad \begin{array}{r} 70 \\ -30 \\ \hline 40 \end{array}$$



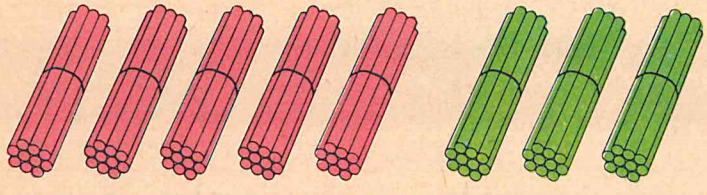
$$\begin{array}{r} 60 \\ +30 \\ \hline 90 \end{array} \qquad \begin{array}{r} 90 \\ -30 \\ \hline 60 \end{array}$$



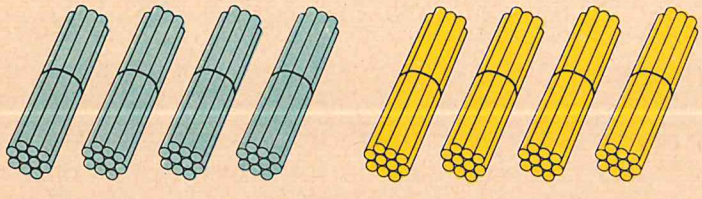
$$\begin{array}{r} 30 \\ +50 \\ \hline 80 \end{array} \qquad \begin{array}{r} 80 \\ -50 \\ \hline 30 \end{array}$$



$$\begin{array}{r} 20 \\ +70 \\ \hline 90 \end{array} \qquad \begin{array}{r} 90 \\ -70 \\ \hline 20 \end{array}$$



$$\begin{array}{r} 50 \\ +30 \\ \hline 80 \end{array} \qquad \begin{array}{r} 80 \\ -30 \\ \hline 50 \end{array}$$



$$\begin{array}{r} 40 \\ +40 \\ \hline 80 \end{array} \qquad \begin{array}{r} 80 \\ -40 \\ \hline 40 \end{array}$$

NOVEMBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Monday Wednesday Friday

first second third fourth fifth sixth seventh

Sunday Tuesday Thursday Saturday

Write the numerals for these days in November.

the first Friday 6

the first Saturday 7

the first Sunday 1

the first Thursday 5

the last Saturday 25

the last Thursday 26

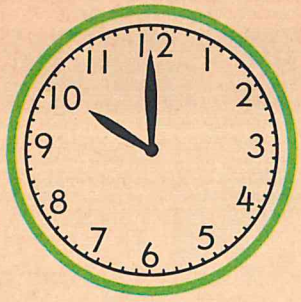
Tell how many.

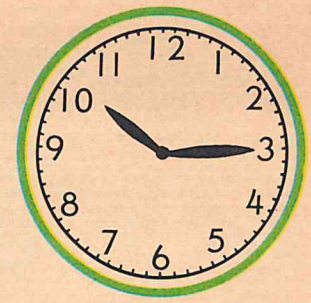
How many Sundays in November? 5

How many Saturdays? 4

How many Thursdays? 4

How many days in November? 30

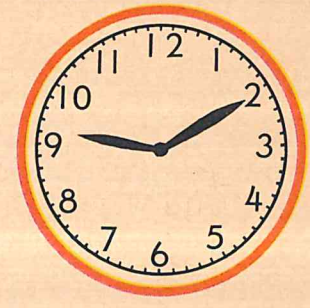




10 o'clock

15 minutes past 10

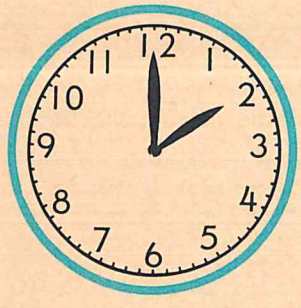
Write the numerals that tell what time the clocks show.

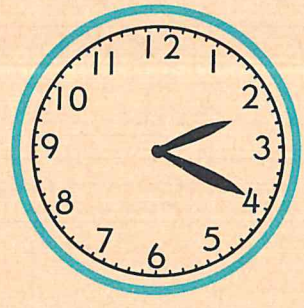


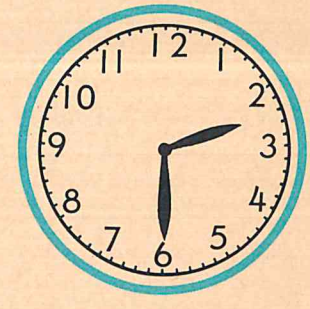
9 o'clock

5 minutes past 9

10 minutes past 9



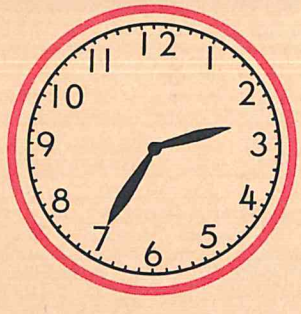


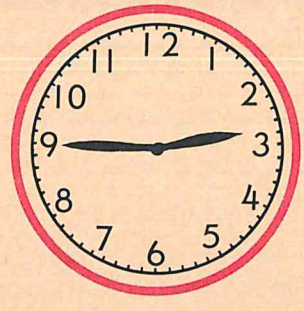


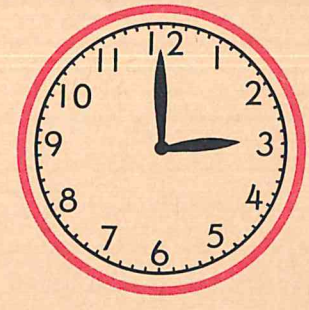
2 o'clock

30 minutes past 2

half past 2



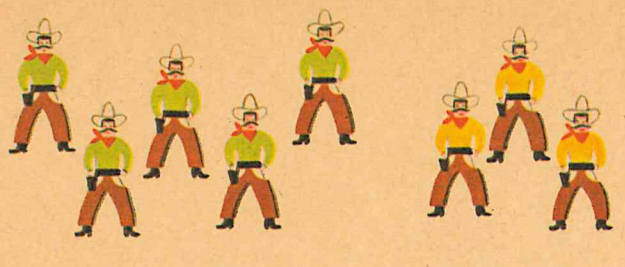




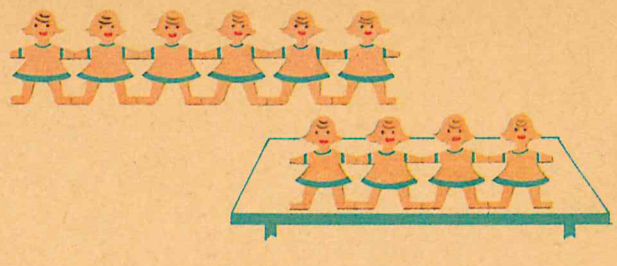
25 minutes to 3

15 minutes to 3

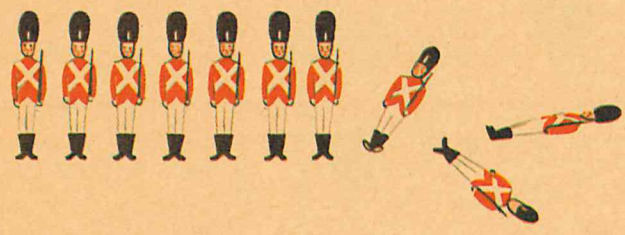
3 o'clock



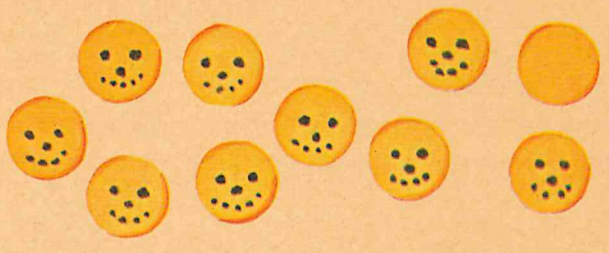
5 + 3 = 8



6 + 4 = 10



7 - 3 = 4

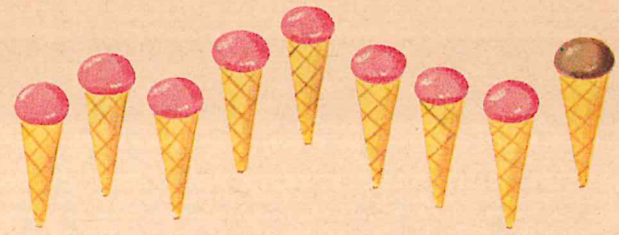


___ ___ = ___

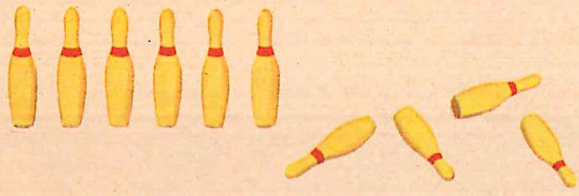
Add, and write the missing numerals.

4	3	2	4	5	1	5	6	2
+4	+2	+1	+6	+2	+4	+4	+1	+2
8	5	3	10	7	5	9	7	4
3	5	7	1	8	7	1	2	5
+4	+1	+3	+1	+1	+2	+9	+6	+5
7	6	10	2	9	9	10	8	10
2	1	8	6	3	3	1	3	4
+5	+2	+2	+3	+1	+5	+8	+3	+5
7	3	10	9	4	8	9	6	9
6	5	1	4	3	2	1	2	4
+4	+3	+6	+3	+6	+3	+7	+8	+2
10	8	7	7	9	5	8	10	6
4	2	1	6	7	2	1	3	9
+1	+7	+5	+2	+1	+4	+3	+7	+1
5	9	6	8	8	6	4	10	10

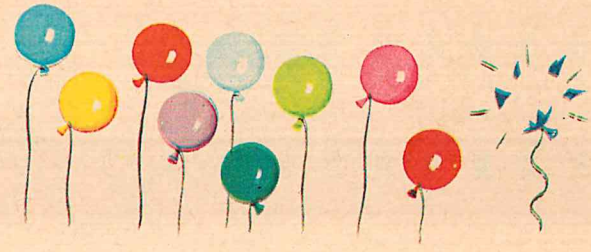
9 − 2 = 7



8 + 1 = 9



10 − 4 = 6

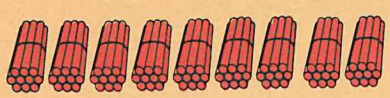


10 − 1 = 9

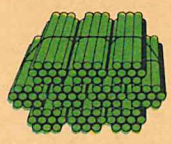
Subtract, and write the missing numerals.

9	6	2	9	4	7	8	10	8
−3	−5	−1	−7	−3	−2	−1	−2	−6
6	1	1	2	1	5	7	8	2
7	5	10	8	10	6	9	5	10
−5	−1	−4	−3	−1	−3	−5	−2	−7
2	4	6	5	9	3	4	3	3
8	10	3	9	8	5	7	10	6
−4	−8	−1	−4	−7	−4	−1	−3	−2
4	2	2	5	1	1	6	7	4
3	10	8	10	7	9	6	9	7
−2	−5	−2	−9	−3	−1	−4	−2	−6
1	5	6	1	4	8	2	7	1
8	9	4	6	10	5	7	4	9
−5	−8	−2	−1	−6	−3	−4	−1	−6
3	1	2	5	4	2	3	3	3

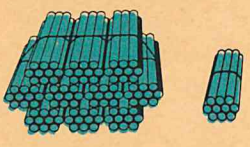
Write the numerals that tell how many.



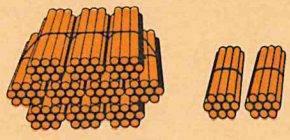
90



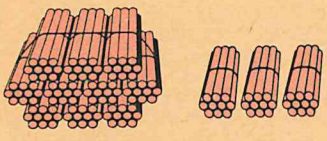
100



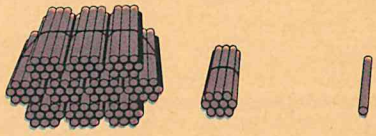
110



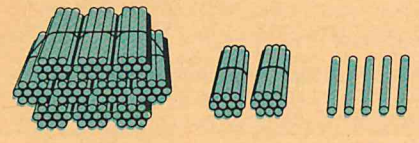
130



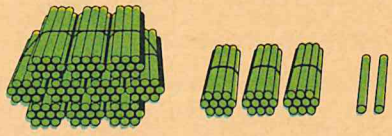
130



111

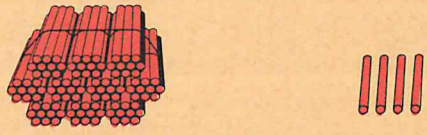


125

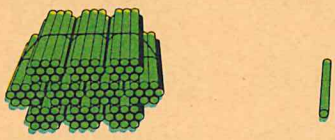


132

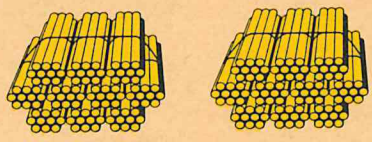
106



104



103



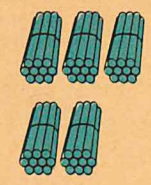
200

Show what each numeral means.

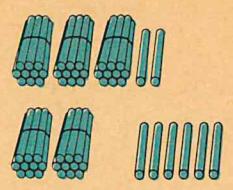
hundreds tens ones 123 means 1 2 3	hundreds tens ones 150 means 1 5 0
181 means 1 8 1	155 means 1 5 5
175 means 1 7 5	105 means 1 0 5
160 means 1 6 0	198 means 1 9 8
190 means 1 9 0	104 means 1 0 4
200 means 2 0 0	140 means 1 4 0

Read the numerals from 101 to 200.

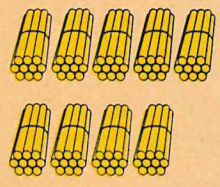
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200



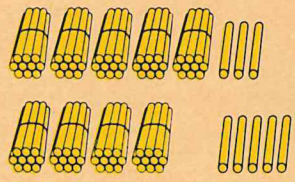
tens	ones
3	0
+ 2	0
5	0



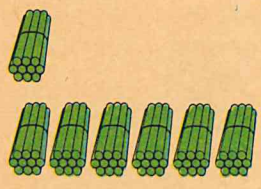
tens	ones
3	2
+ 2	6
5	8



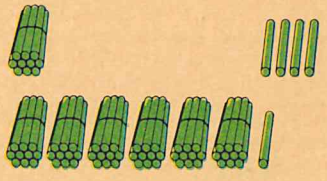
5	0
+ 4	0
9	0



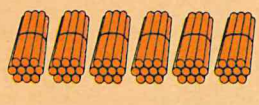
5	3
+ 4	5
9	8



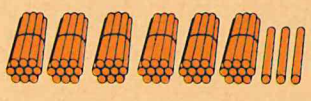
1	0
+ 6	0
7	0



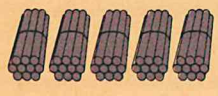
1	4
+ 6	1
7	5



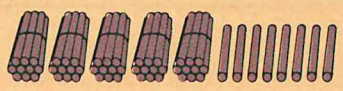
6	0
− 4	0
2	0



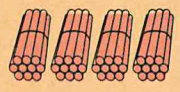
6	3
− 4	1
2	2



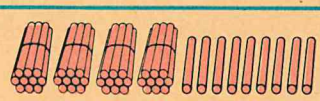
5	0
− 2	0
3	0



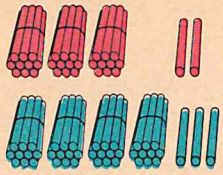
5	8
− 2	5
3	3



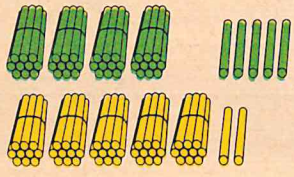
4	0
− 1	0
3	0



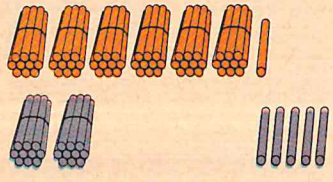
4	9
− 1	7
3	2



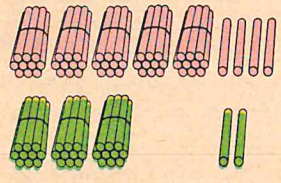
tens	ones	tens	ones	tens	ones
32		75		75	
+43		−43		−32	
75		32		43	



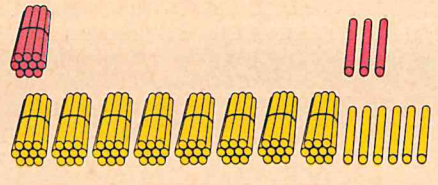
45		97		97	
+52		−52		−45	
97		45		52	



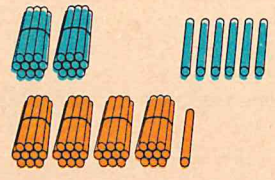
61		86		86	
+25		−25		−61	
86		61		25	



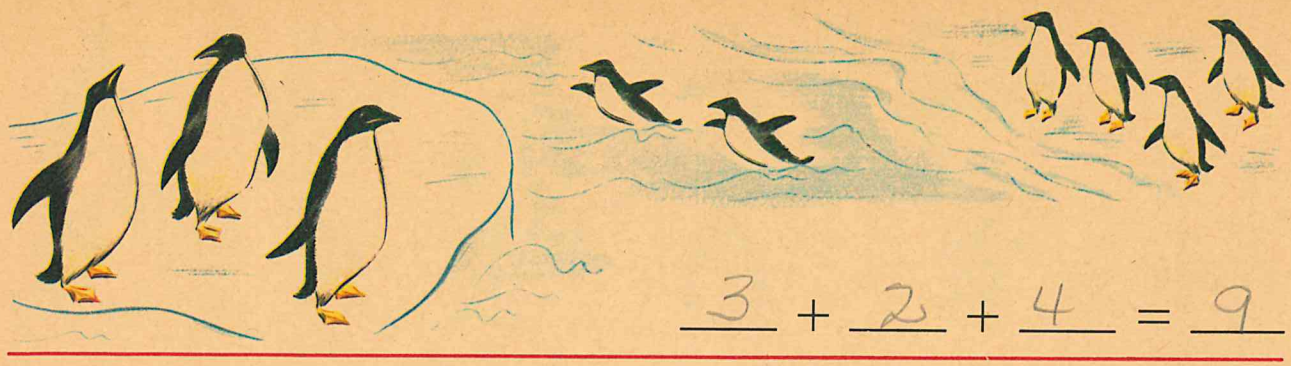
54		86		86	
+32		−32		−54	
86		54		32	



13		99		99	
+86		−86		−13	
99		13		86	

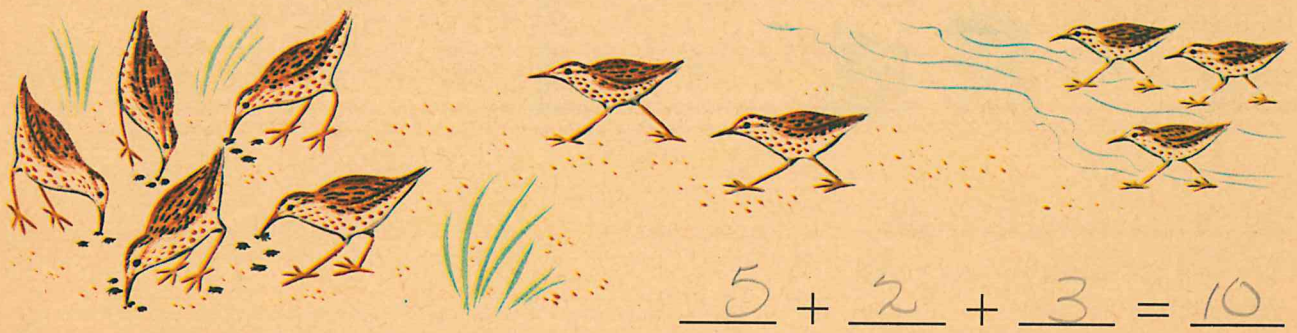


26		67		67	
+41		−41		−26	
67		26		41	

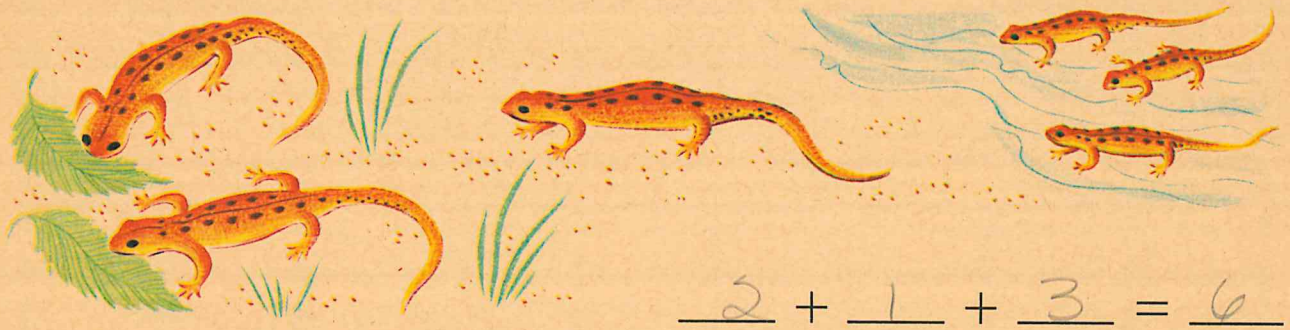


3 + 2 + 4 = 9

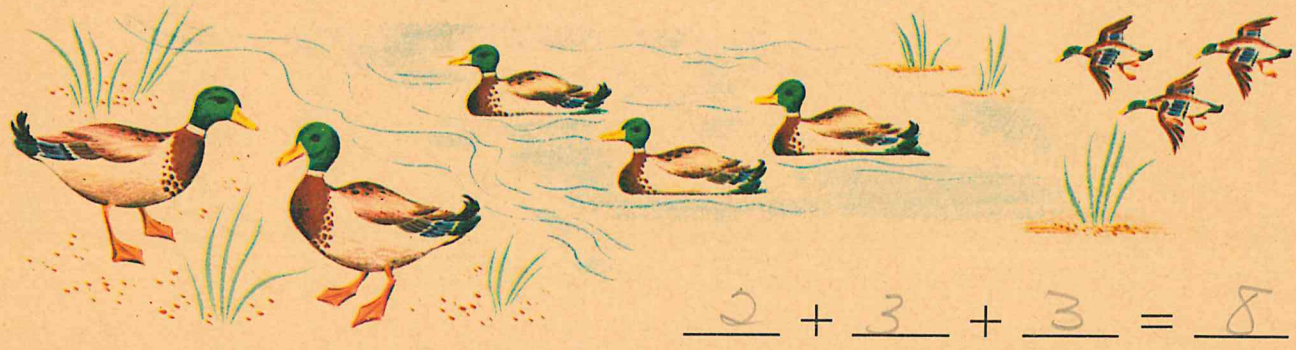
2 + 2 + 3 = 7



5 + 2 + 3 = 10

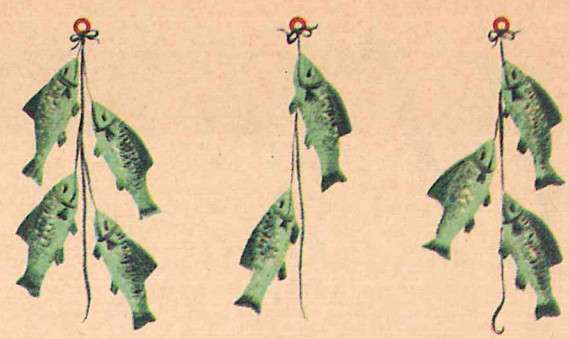


2 + 1 + 3 = 6

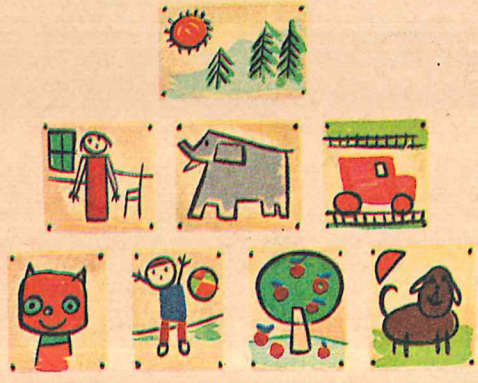


2 + 3 + 3 = 8

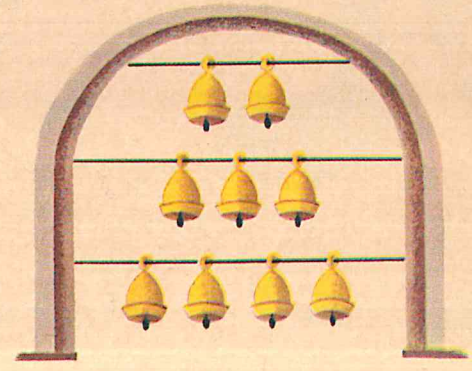
3 + 3 + 4 = 10



4 + 3 + 3 = 9



1
3
4
8



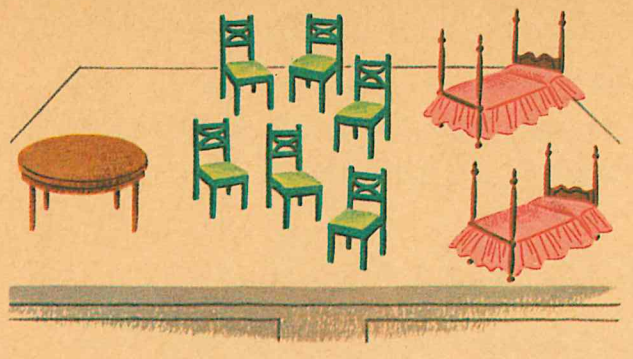
2
3
4
9

Begin at the top and add.
Write the missing numerals.

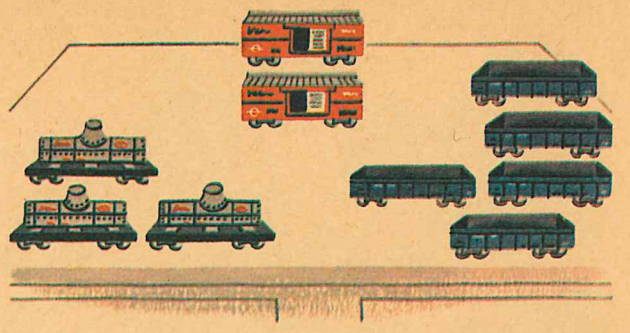
5	3	1	2	1	2	2	2	3	3
1	5	2	4	4	7	5	1	1	1
2	2	6	1	3	1	2	4	4	6
8	10	9	7	8	10	9	7	8	10

1	2	1	1	2	4	3	2	1	3
2	2	1	5	3	1	3	5	7	4
2	5	8	4	1	5	3	3	1	2
5	9	10	10	6	10	9	10	9	9

4	1	4	2	1	1	4	1	4	1
3	1	2	1	3	6	1	8	4	4
1	6	2	7	5	1	2	1	2	4
8	8	8	10	9	8	7	10	10	9



1 + 6 + 2 = 9



3 + 2 + 5 = 10

John and Tom made 4 boats on Monday and 5 on Saturday. How many boats did the boys make in the two days?

4 + 5 = 9

The girls made 10 pictures about the things they did in November. Mary bought 6 of the pictures. How many pictures did the girls have then?

10 - 6 = 4

One day Tom saw 9 cars in a car show. A boy bought 1 car. Then how many cars were in the show?

9 - 1 = 8

One day 3 girls were making kites. Then 7 more came. How many girls were making kites then?

3 + 7 = 10

One Saturday many children were playing. Tom saw 9 boys flying kites. Six of them went to play with the boats. How many boys were flying kites then?

9 − 6 = 3

Mary counted 7 boys playing with boats and 3 drawing pictures. How many boys did Mary count?

7 + 3 = 10

John counted 2 boys playing with tops, 4 playing with cars, and 4 playing with boats. How many boys did John count?

2 + 4 + 4 = 10

Mary saw 10 girls playing with dolls. Eight of them went to see the show. Then how many girls were playing with dolls?

10 − 8 = 2

Tom counted 2 girls flying kites, 6 girls playing with boats, and 1 drawing a picture. How many girls did Tom count?

2 + 6 + 1 = 9

1 quart of milk is as much as 2 pints

1 pint of milk
is as much as
2 half pints

1 pint of milk
is as much as
2 cups

2 pints of milk
is as much as 4 half pints

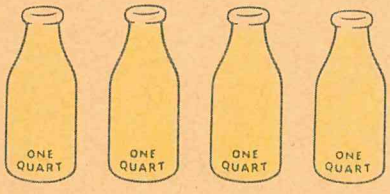
3 pints of milk
is as much as 6 half pints

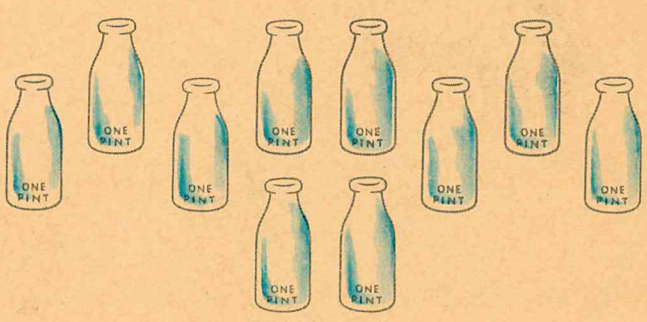
2 pints of milk
is as much as 4 cups

3 pints of milk
is as much as 6 cups

1 half pint of milk
is as much as 1 cup

2 half pints of milk
is as much as 2 cups



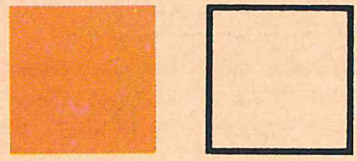


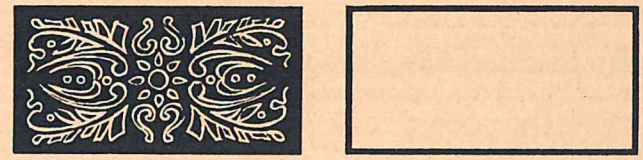
2 quarts is as much as 4 pints

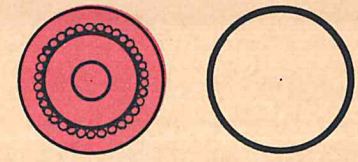
3 quarts is as much as 6 pints

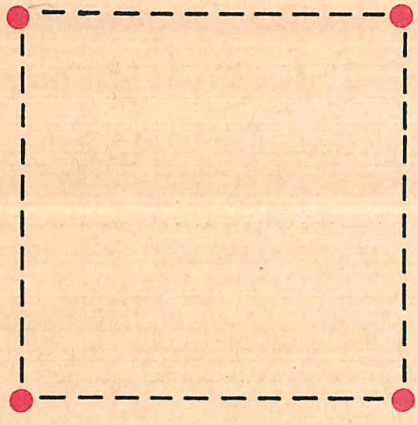
4 quarts is as much as 8 pints

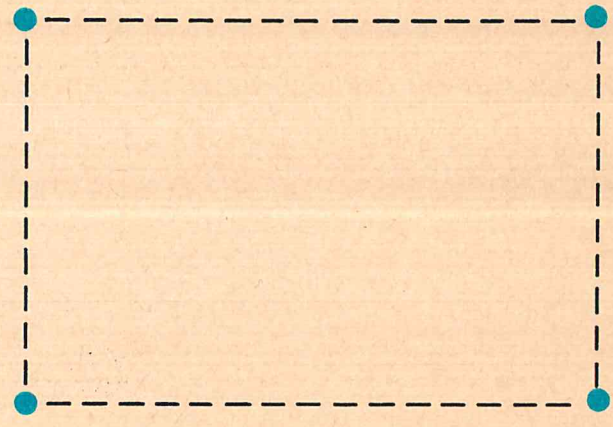
Alice drew lines around some things.
Find what shapes the lines made.
Then find how many lines Alice drew to make each shape.







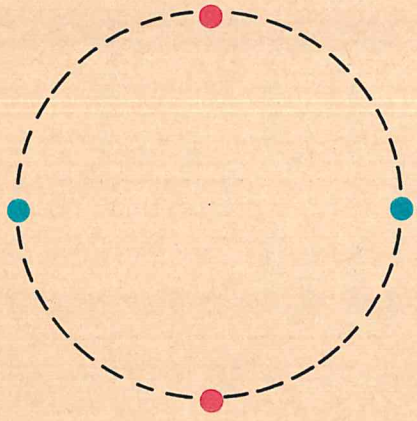




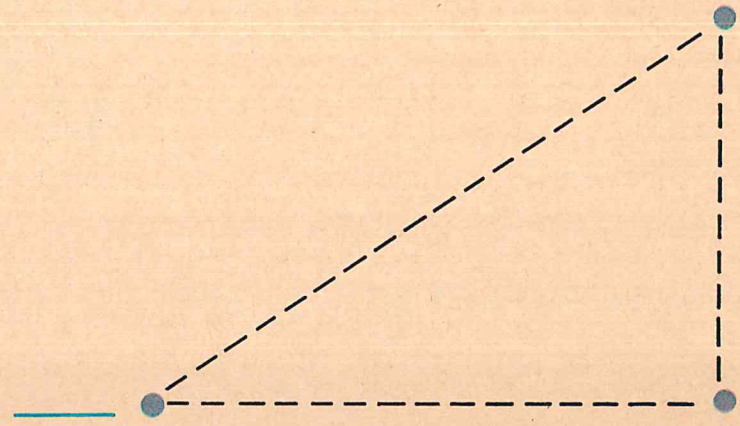
_____ inches

_____ inches

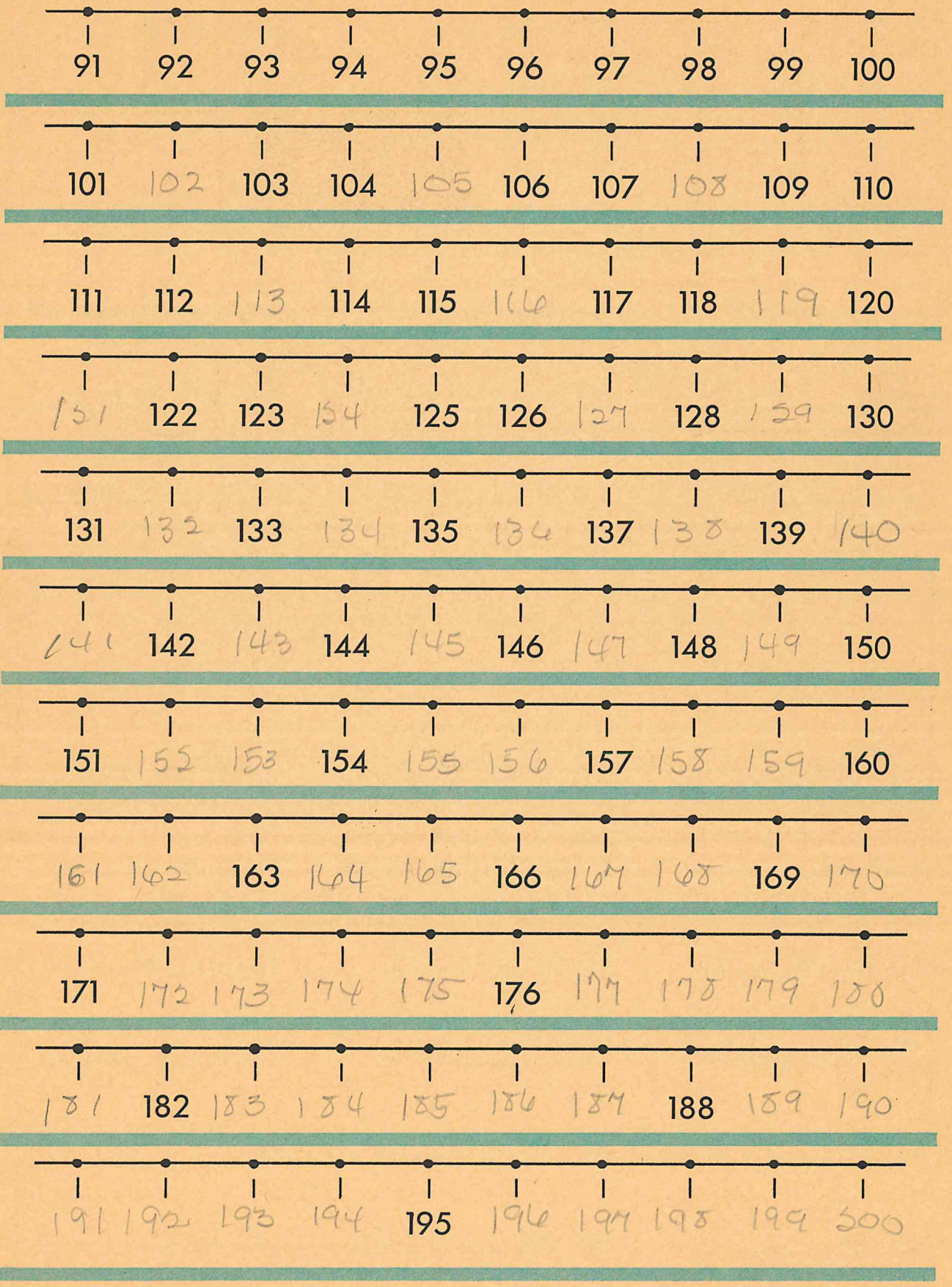
_____ inches



_____ inches



Write the missing numerals.



4, 5, 6, 7	24, 25, 26, 27	124, 125, 126, 127
2, 3, 4, 5	62, 63, 64, 65	162, 163, 164, 165
6, 7, 8, 9	76, 77, 78, 79	176, 177, 178, 179
1, 2, 3, 4	51, 52, 53, 54	151, 152, 153, 154
2, 3, 4, 5	82, 83, 84, 85	182, 183, 184, 185
1, 2, 3, 4	11, 12, 13, 14	111, 112, 113, 114
2, 3, 4, 5	32, 33, 34, 35	132, 133, 134, 135
5, 6, 7, 8	95, 96, 97, 98	195 196, 197, 198
3, 4, 5, 6	23, 24, 25, 26	123, 124, 125, 126
18, 19, 20, 21	28, 29, 30, 31	38, 39, 40, 41
59, 60, 61, 62	69, 70, 71, 72	79, 80, 81, 82
39, 40, 41, 42	49, 50, 51, 52	59, 60, 61, 62
78, 79, 80, 81	88, 89, 90, 91	98, 99, 100, 101
177, 178, 179, 180	187, 188, 189, 190	197, 198, 199, 200

Think of number stories about the horses and lambs that Jane and Fred saw on a farm.

9 + 2 = 11

9 + 2 = 11

11 − 2 = 9

11 − 2 = 9

8 + 3 = 11

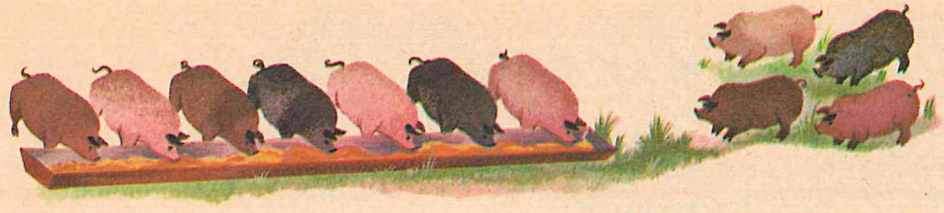
8 + 3 = 11

11 − 3 = 8

11 − 3 = 8

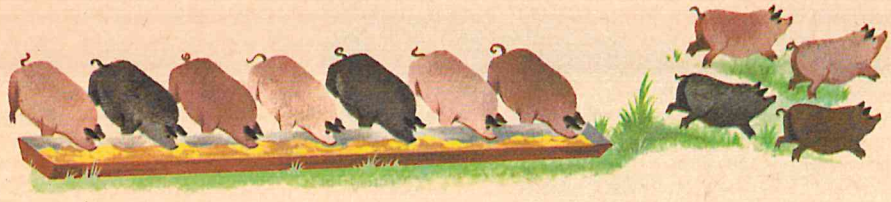
9	2	11	11	8	3	11	11
+2	+9	−2	−9	+3	+8	−3	−8
11	11	9	2	11	11	8	3

Sam helped feed the animals on the farm.
Think of number stories about the pigs and cows.



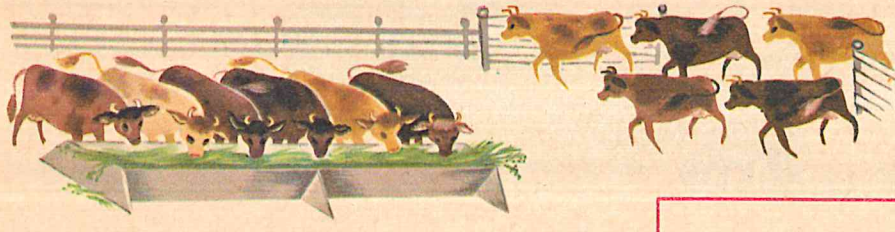
7 + 4 = 11

7 + 4 = 11



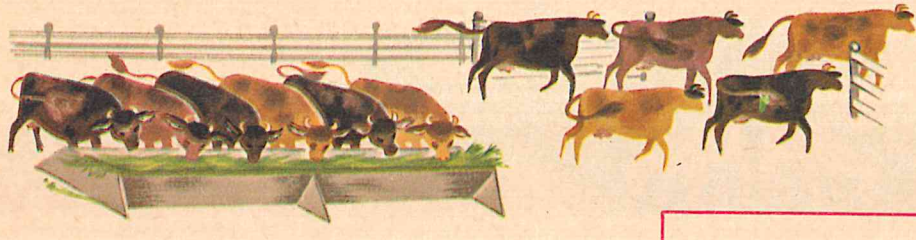
11 − 4 = 7

11 − 4 = 7



6 + 5 = 11

6 + 5 = 11

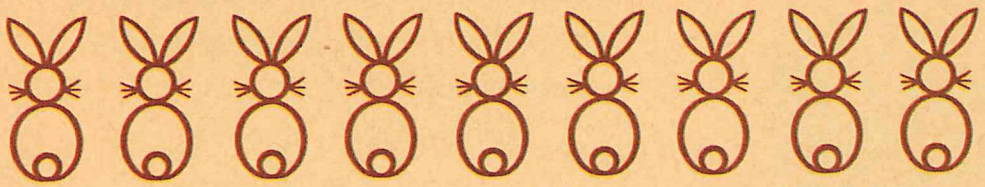


11 − 5 = 6

11 − 5 = 6

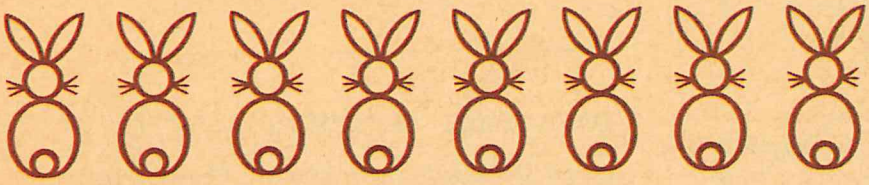
7	4	11	11	6	5	11	11
+4	+7	−4	−7	+5	+6	−5	−6
11	11	7	4	11	11	6	5

Draw more rabbits so that you will have a set of 11 in each row.



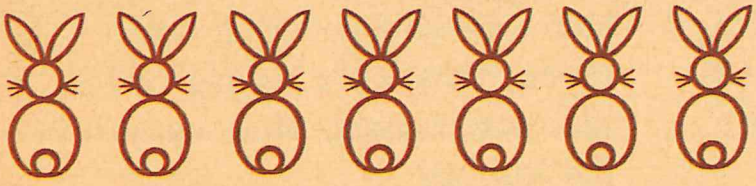
___ + ___ = 11
___ − 2 = ___

___ + ___ = 11
___ − 9 = ___



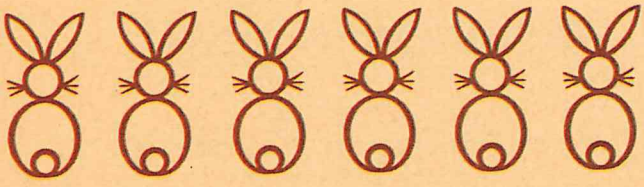
___ + ___ = 11
___ − 3 = ___

___ + ___ = 11
___ − 8 = ___



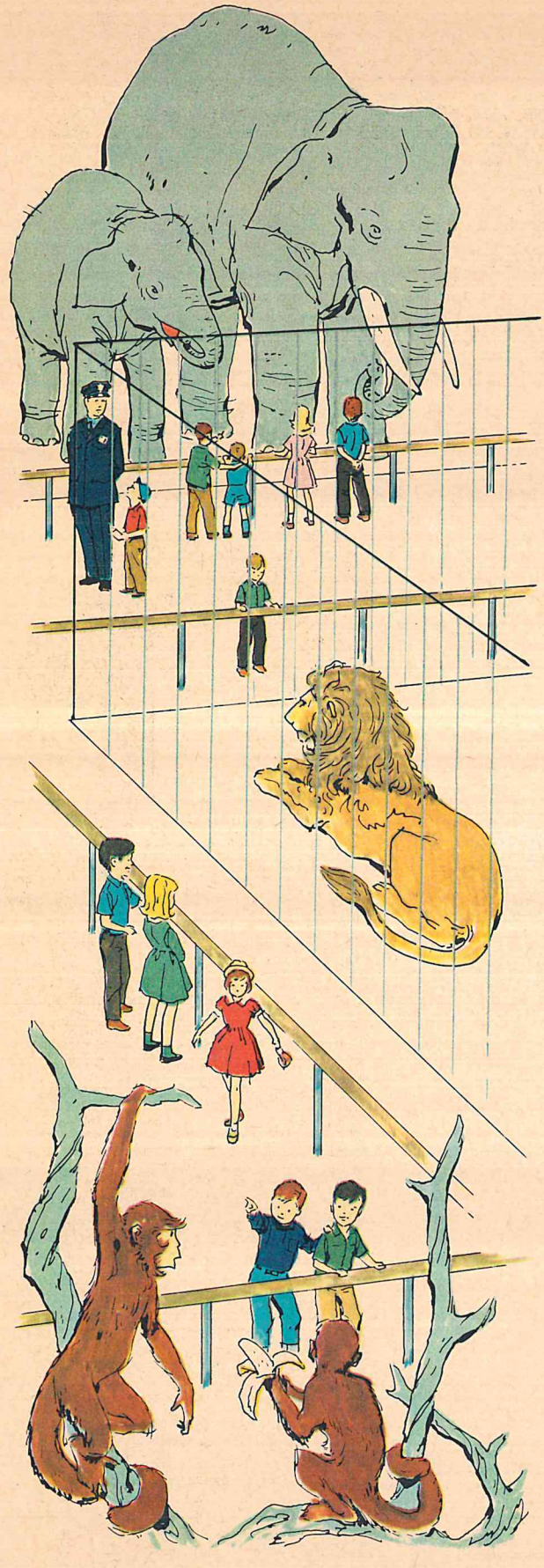
___ + ___ = 11
___ − 4 = ___

___ + ___ = 11
___ − 7 = ___



___ + ___ = 11
___ − 5 = ___

___ + ___ = 11
___ − 6 = ___



The children went to see some animals. Mary saw 11 elephants that were eating. Four of them came to Mary. How many elephants were eating then?

____ ____ = ____

Fred counted 2 monkeys that were sleeping and 8 that were playing. How many monkeys did Fred count?

____ ____ = ____

John made 11 pictures of animals. Sam bought 2 of them. How many pictures of animals did John have then?

____ ____ = ____

Sam counted 5 lions that were eating, 3 that were playing, and 3 that were sleeping. How many lions did Sam see?

____ ____ ____ = ____

Alice saw 10 monkeys playing. Nine of them went to eat. Then how many monkeys were playing?

____ ____ = ____

Six of the boys and 5 of the girls helped feed the animals. How many children helped?

____ ____ = ____

Fred counted 35 cows on one farm. Tom counted 24 cows on another farm. How many cows did the boys count?

$$\begin{array}{r} 35 \\ +24 \\ \hline \end{array}$$

_____ _____ = ?

A farmer had 87 cows on his farm. A man bought 32 of the cows. How many cows did the farmer have then?

$$\begin{array}{r} 87 \\ -32 \\ \hline \end{array}$$

_____ _____ = ?

On another farm, there were 34 large lambs and 62 small lambs. How many lambs were there on that farm?

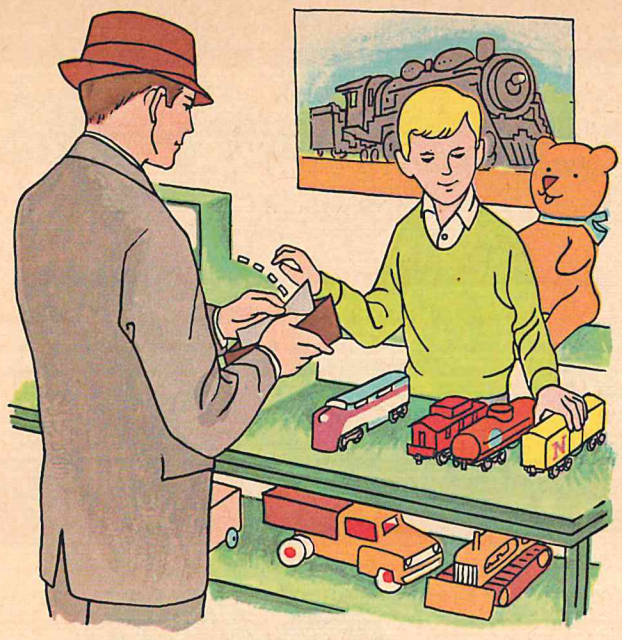
_____

_____ _____ = ?

The farmer had 96 lambs. A man bought 34 of the farmer's lambs. Then how many lambs did the farmer have?

_____

_____ _____ = ?



One day Fred helped the man sell toys. Fred sold 4 cars for a train. Then he sold 7 cars for another train. How many cars did Fred sell that day?

____ ____ = ____

The man had 11 boats to sell. Fred sold 3 boats. How many boats did the man have to sell then?

____ ____ = ____

Write the missing numerals.

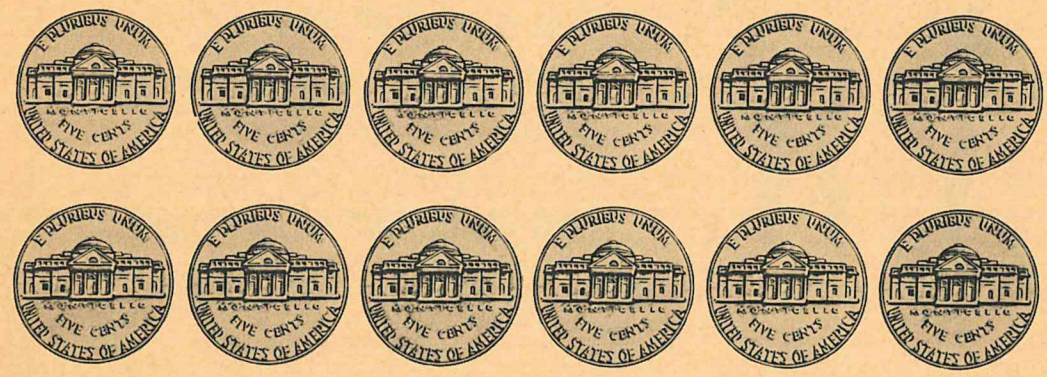
11	10	8	11	9	10	11	10	11	10
−2	−5	−3	−6	−3	−4	−9	−7	−4	−6
10	9	11	8	10	11	10	11	10	11
−2	−5	−7	−6	−3	−5	−8	−3	−1	−8
5	8	3	5	3	5	3	3	4	2
+4	+3	+6	+6	+7	+3	+8	+4	+6	+9
1	2	3	2	6	5	2	1	1	1
8	6	1	2	1	2	3	2	6	5
2	2	5	6	4	1	5	8	3	5
82	70	25	73	54	84	60	98		
+15	+20	+21	+13	−12	−73	−30	−21		

Count the pennies by fives.

30 cents

Count the nickels as fives.

20 cents



60 cents

Count the dimes as tens.

60 cents

1 dime is as much money as 10 pennies, or 2 nickels

2 dimes is as much money as 20 pennies, or 4 nickels

3 dimes is as much money as 30 pennies, or 6 nickels

4 dimes is as much money as 40 pennies, or 8 nickels

5 dimes is as much money as 50 pennies, or 10 nickels

6 dimes is as much money as 60 pennies, or 12 nickels

How many halves are there in one whole thing? _____

How many balls of string can each of the kites have? _____

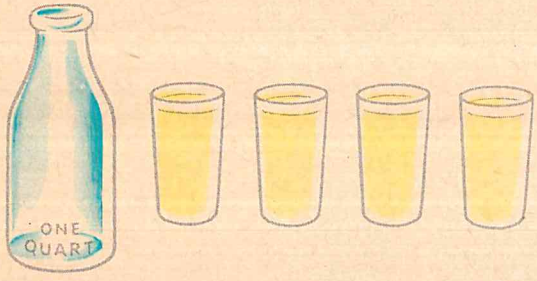
What is one half of 2 things? _____

How many stars can the boys have on each of the 2 kites? _____

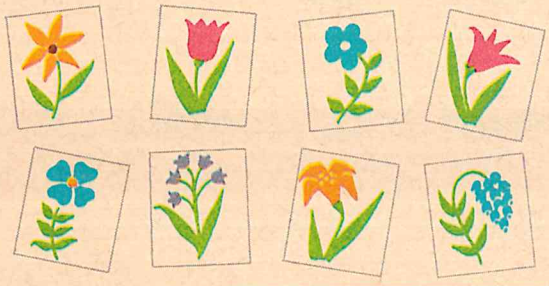
What is one half of 8 things? _____

How many pieces can the boys have on each of the 2 kites? _____

What is one half of 10 things? _____

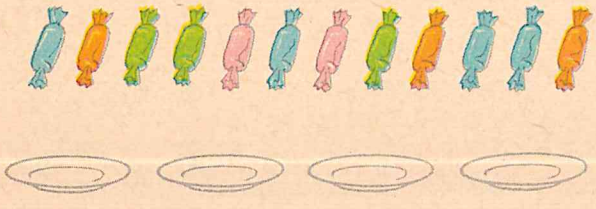


How many fourths are there in one quart of milk? _____

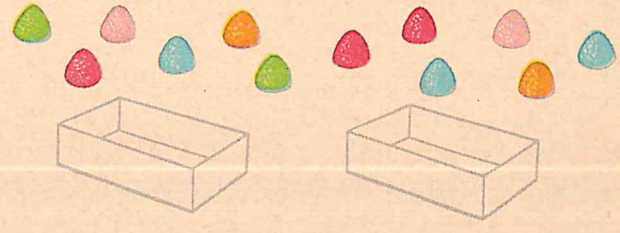


How many pictures can each of the 4 girls have? _____

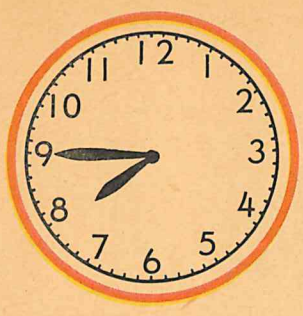
What is one fourth of 8 things? _____

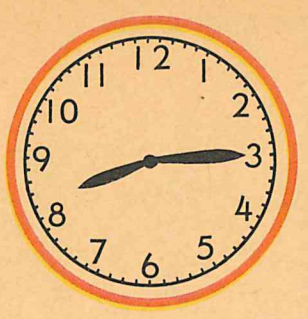


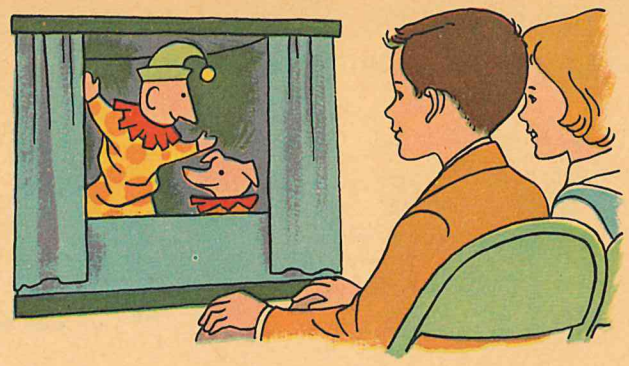
What is one fourth of 12? _____



What is one half of 12? _____





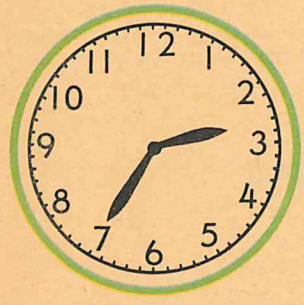


What time did the show begin? 15 minutes to 8

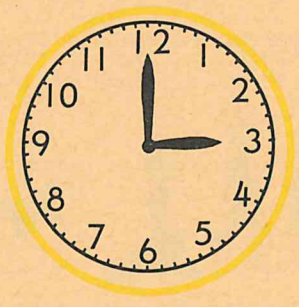
What time did the show end? 15 minutes past 8

How long did Sam watch the show? 30 minutes

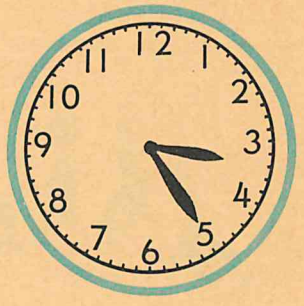
Write the numerals that tell what time the clocks show.



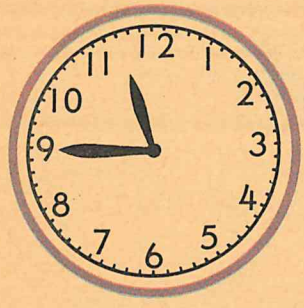
25 minutes to 3



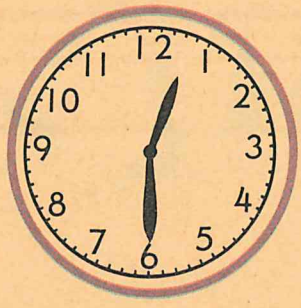
3 o'clock



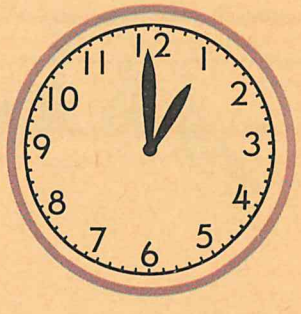
25 minutes past 3



15 minutes to 12



half past 12



1 o'clock

How many minutes was Sarah at home? _____

How many minutes did Sarah have to play? _____

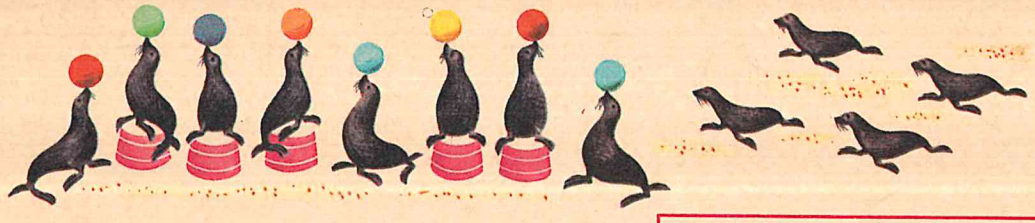
Think of number stories about the clowns and seals Ann and Bob watched at the circus.

___ + ___ = ___

___ + ___ = ___

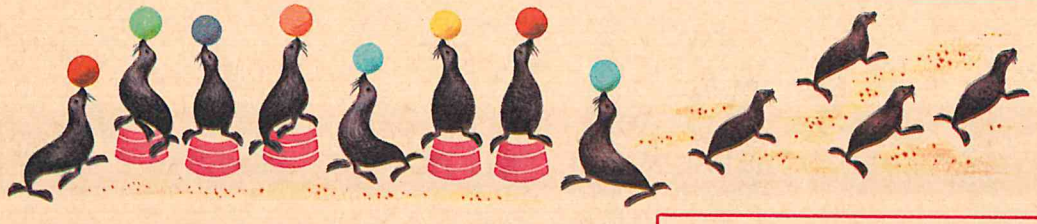
___ − ___ = ___

___ − ___ = ___



___ + ___ = ___

___ + ___ = ___

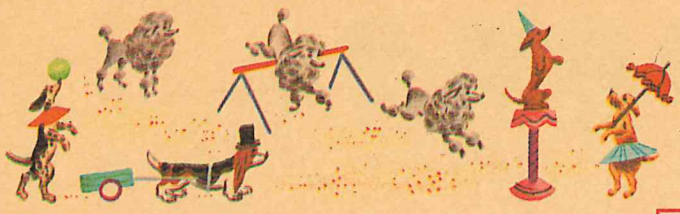


___ − ___ = ___

___ − ___ = ___

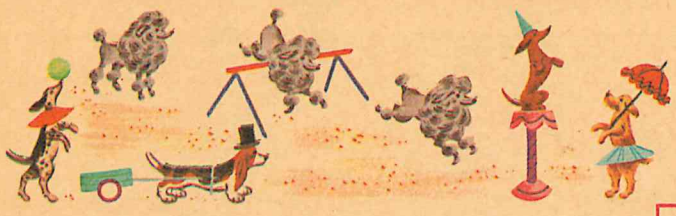
9	3	12	12	8	4	12	12
+3	+9	−3	−9	+4	+8	−4	−8

Susan and Ted saw dogs and tigers at the circus.
Think of number stories the pictures tell about them.



___ + ___ = ___

___ + ___ = ___



___ − ___ = ___

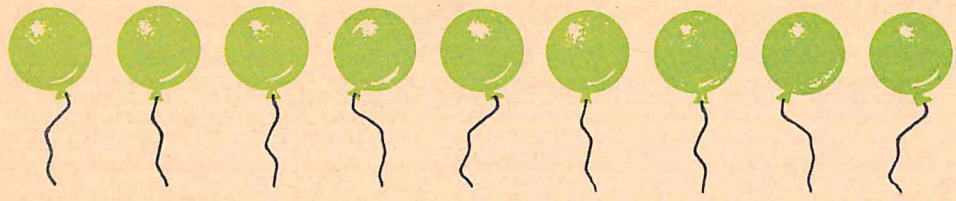
___ − ___ = ___

___ + ___ = ___

___ − ___ = ___

7	5	12	12	6	12	2	9	1	10
+5	+7	−5	−7	+6	−6	+8	−2	+9	−9

Draw more balloons so that you will have a set of 12 in each row.

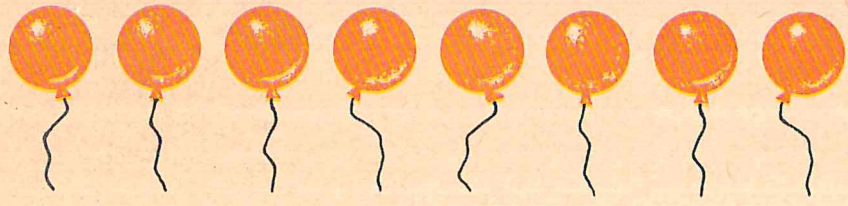


___ + ___ = 12

___ - 3 = ___

___ + ___ = 12

___ - 9 = ___

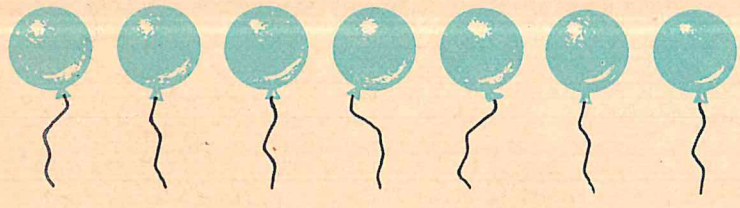


___ + ___ = 12

___ - 4 = ___

___ + ___ = 12

___ - 8 = ___

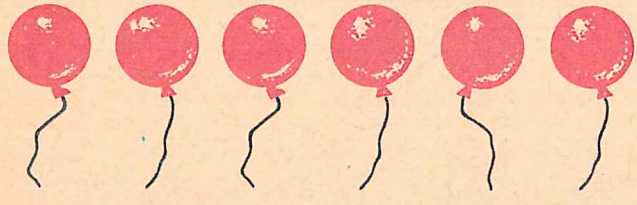


___ + ___ = 12

___ - 5 = ___

___ + ___ = 12

___ - 7 = ___



___ + ___ = 12

___ - 6 = ___

One Saturday the boys made 7 snowmen and the girls made 5. How many snowmen did the children make that day?

____ ____ = ____

That day 12 boys were skating. Four of them went home. How many boys were skating then?

____ ____ = ____

There were 11 girls skating that day. Five of them went to play in the snow. How many girls were skating then?

____ ____ = ____

The girls made 3 large snowballs and 3 small ones. Then the boys made 6 more snowballs. How many snowballs did the children make?

____ ____ ____ = ____

The boys made 9 pictures of elephants and 2 pictures of rabbits in the snow. How many pictures of animals did they make?

____ ____ = ____

The 12 snowmen had hats on. A boy knocked the hats off 3 snowmen. How many snowmen had hats on then?

____ ____ = ____

One day at the farm, Mary counted 3 red birds and 9 blue jays. How many birds did Mary count that day?

____ ____ = ____

One day Ted saw some birds eating. There were 4 robins, 2 red birds, and 4 blue jays. How many birds did Ted see that day?

____ ____ ____ = ____

9	2	4	5	9	6	2	4	5	8
+1	+6	+8	+7	+3	+5	+8	+7	+5	+3
5	2	4	7	3	6	4	8	1	3
+6	+9	+6	+5	+8	+6	+5	+4	+9	+2
2	3	1	9	5	1	3	8	5	3
+4	+7	+6	+2	+1	+8	+5	+2	+4	+3
4	7	2	3	5	4	2	6	2	1
4	1	3	6	2	1	5	1	2	5
4	3	7	3	4	6	5	3	7	6
41	51	80	32	61	23	61	71		
+37	+33	+10	+17	+34	+14	+21	+22		

Helen had 12 small pictures of birds. She gave 3 of them to Susan. How many pictures of birds did Helen have then?

____ ____ = ____

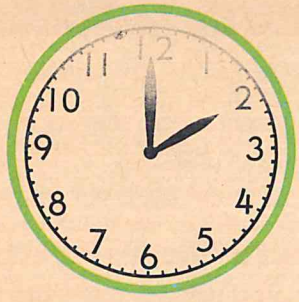
The man in the store had 36 pictures of birds to sell. Don bought 12 of them. Then how many pictures did the man have to sell?

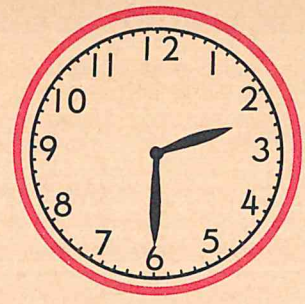
_____

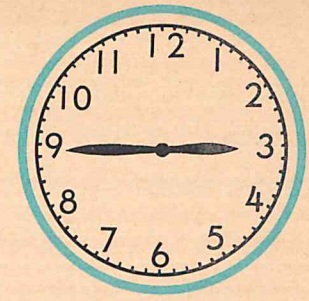
_____ _____ = ?

9	11	7	12	10	8	11	10	12	9
−8	−2	−5	−6	−8	−3	−5	−3	−4	−7
10	8	11	10	5	12	10	9	6	11
−4	−6	−4	−1	−1	−5	−6	−3	−4	−8
9	10	12	7	11	8	12	10	11	8
−4	−7	−9	−1	−3	−7	−8	−2	−6	−4
9	12	8	5	11	10	7	11	6	10
−1	−7	−5	−2	−9	−5	−3	−7	−3	−9
69	47	58	70	93	85	72	69		
−15	−24	−32	−20	−62	−14	−61	−52		

Write the numerals that tell what time the clocks show.







_____ o'clock

half past _____

_____ minutes to _____

Write the missing numerals.

48, _____, _____, 51

59, _____, _____, 62

77, 78, 79, _____

87, _____, _____, 90

98, _____, _____, 101

107, _____, _____, 110

117, 118, _____, _____

177, 178, _____, _____

197, 198, _____, _____

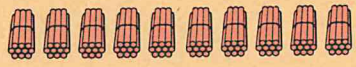
Show what each numeral means.

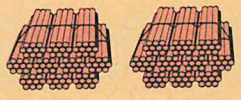
	hundreds	tens	ones
138 means	1	3	8
165 means			
180 means			
102 means			

	hundreds	tens	ones
147 means			
124 means			
196 means			
200 means			

1 hundred

_____ tens is _____

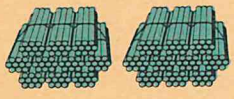




1 hundred

2 hundreds

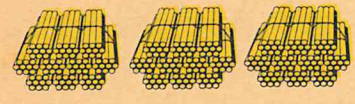
_____ tens and _____ tens is _____ tens, or _____

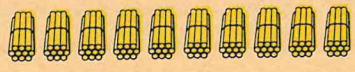


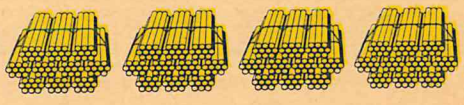
2 hundreds

3 hundreds

_____ tens and _____ tens is _____ tens, or _____







3 hundreds

4 hundreds

_____ tens and _____ tens is _____ tens, or _____

---

4 hundreds

5 hundreds

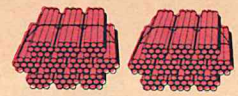
_____ tens and 10 tens is _____ tens, or _____

---

5 hundreds

6 hundreds

_____ tens and 10 tens is _____ tens, or _____

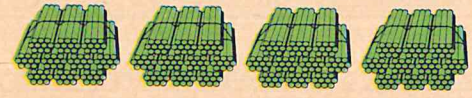


200

50

250

_____ tens and _____ tens is _____ tens



400

60

460

_____ tens and _____ tens is _____ tens

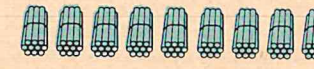
300

10

310

_____ tens and _____ tens is _____ tens

500



90

590

_____ tens and _____ tens is _____ tens

800

70

870

_____ tens and _____ tens is _____ tens

600

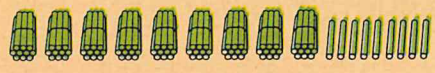
80

680

_____ tens and _____ tens is _____ tens

1 ten

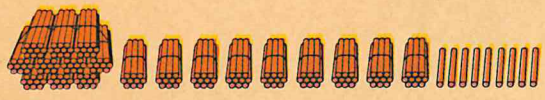
_____ and _____ is _____

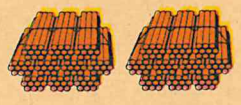


9 tens, 9 ones

1 hundred

_____ and _____ is _____





1 hundred, 9 tens, 9 ones

2 hundreds

_____ and _____ is _____

---

2 hundreds, 9 tens, 9 ones

3 hundreds

_____ and is _____

---

3 hundreds, 9 tens, 9 ones

4 hundreds

_____ and is _____

---

4 hundreds, 9 tens, 9 ones

5 hundreds

_____ and is _____

---

7 hundreds, 9 tens, 9 ones

8 hundreds

_____ and is _____

---

9 hundreds, 9 tens, 9 ones

10 hundreds

_____ and is _____, or one thousand

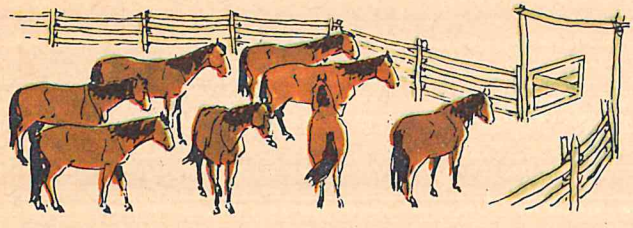
Tell number stories about the cowboys and ponies on a ranch.

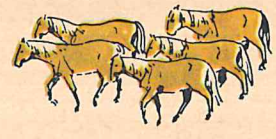
___ + ___ = ___

___ + ___ = ___

___ − ___ = ___

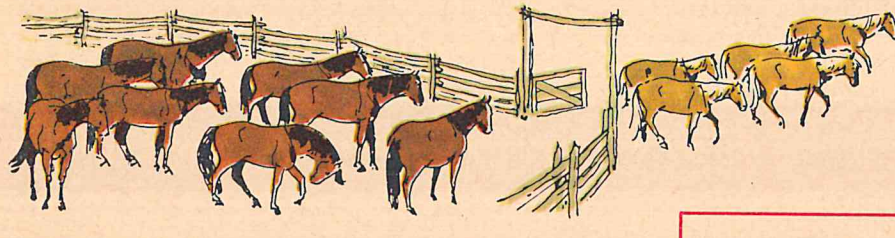
___ − ___ = ___





___ + ___ = ___

___ + ___ = ___

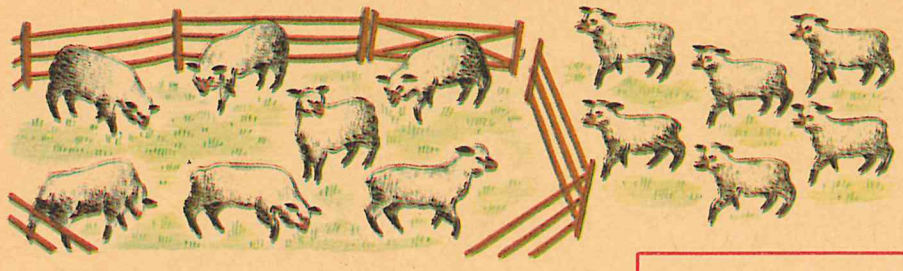


___ − ___ = ___

___ − ___ = ___

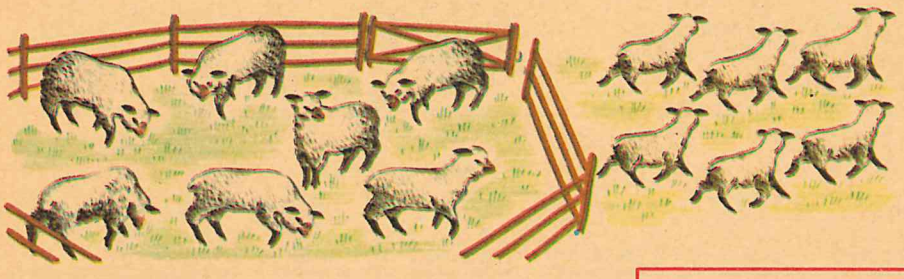
9	4	13	13	8	5	13	13
+4	+9	−4	−9	+5	+8	−5	−8

Think what number stories the pictures show about sheep on a sheep ranch.



___ + ___ = ___

___ + ___ = ___



___ − ___ = ___

___ − ___ = ___

7	6	13	13	3	6	5	12	11	12
+6	+7	−6	−7	+8	+6	+8	−3	−5	−7
10	11	10	11	12	13	12	11	13	12
−2	−4	−7	−9	−5	−9	−6	−8	−4	−8
11	12	13	11	10	11	13	11	12	10
−6	−9	−5	−3	−1	−7	−8	−2	−4	−6
1	2	1	4	1	3	3	3	1	2
7	4	3	3	2	2	4	1	1	7
5	5	9	5	9	7	6	8	9	4

Draw more cowboy hats so that there will be 13 hats in each set.

___ + ___ = 13
___ − 4 = ___

___ + ___ = 13
___ − 9 = ___

___ + ___ = 13
___ − 5 = ___

___ + ___ = 13
___ − 8 = ___

___ + ___ = 13
___ − 6 = ___

___ + ___ = 13
___ − 7 = ___

One day some boys and girls went to buy cookies and cakes. Tom bought 4 cupcakes and the girls bought 9 more. How many cupcakes did the children buy?

____ ____ = ____

The man in the store had 13 star cookies. Fred bought 5 of them. Then how many star cookies did the man have?

____ ____ = ____

Mary bought 4 cookies, Jane bought 5, and Alice bought 4. How many cookies did the girls buy?

____ ____ ____ = ____

The man had 13 large cakes. He sold 7 of them. How many large cakes were left?

____ ____ = ____

There were 12 apple pies in the store. A man bought 5 of them. Then how many apple pies were left?

____ ____ = ____

The man had 96 cupcakes. A boy bought 12 of them. How many cupcakes did the man have left? _____

_____ _____ = ?

hundreds	tens	ones

10 tens is ___ ___ ___

hundreds	tens	ones

11 tens is ___ ___ ___

12 tens is ___ ___ ___

13 tens is ___ ___ ___

	tens	ones
	5	
+	6	

	hundreds	tens	ones
	5	0	
+	6	0	

	tens	ones
	7	
+	6	

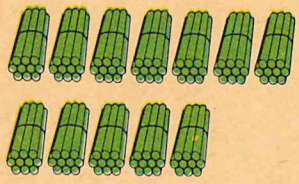
	hundreds	tens	ones
	7	0	
+	6	0	

	tens	ones
	6	
+	4	

	hundreds	tens	ones
	6	0	
+	4	0	

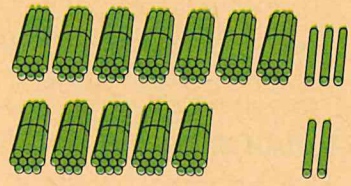
	tens	ones
	5	
+	8	

	hundreds	tens	ones
	5	0	
+	8	0	



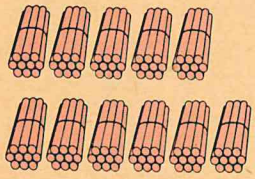
hundreds tens ones

70
+50

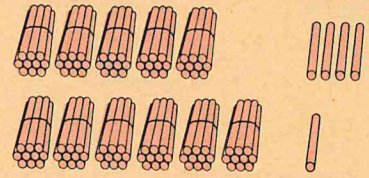


hundreds tens ones

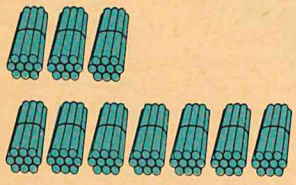
73
+52



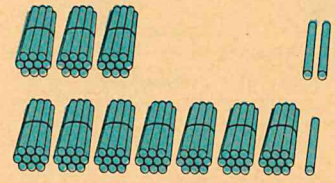
50
+60



54
+61



30
+70



32
+71

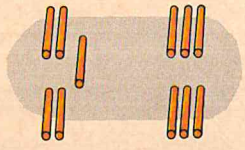
hundreds tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones	hundreds tens ones
96	44	85	63	47	83	62	52
+42	+74	+23	+75	+92	+53	+66	+54
45	91	32	53	34	84	92	61
+84	+26	+85	+76	+93	+45	+12	+45
75	83	24	92	72	26	41	67
+42	+34	+92	+33	+37	+83	+68	+51

100 means _____ hundred. How many tens is this? _____

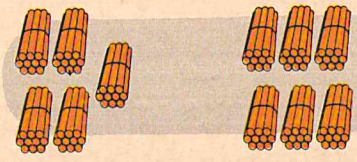
110 means _____ hundred and _____ ten. How many tens is this? _____

120 means _____ hundred and _____ tens. How many tens is this? _____

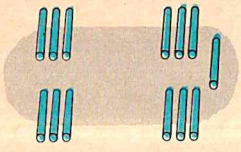
130 means _____ hundred and _____ tens. How many tens is this? _____



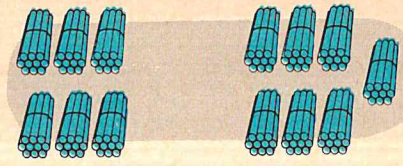
$$\begin{array}{r} 11 \\ -\ 6 \\ \hline \end{array}$$



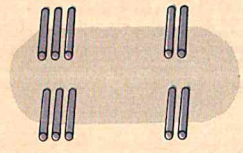
$$\begin{array}{r} 110 \\ -\ 60 \\ \hline \end{array}$$



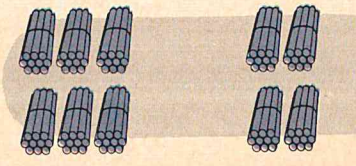
$$\begin{array}{r} 13 \\ -\ 7 \\ \hline \end{array}$$



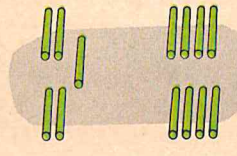
$$\begin{array}{r} 130 \\ -\ 70 \\ \hline \end{array}$$



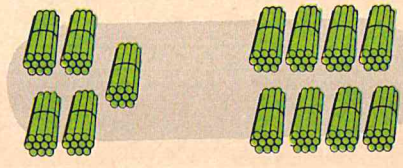
$$\begin{array}{r} 10 \\ -\ 4 \\ \hline \end{array}$$



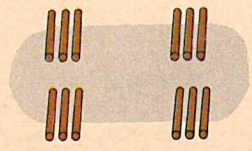
$$\begin{array}{r} 100 \\ -\ 40 \\ \hline \end{array}$$



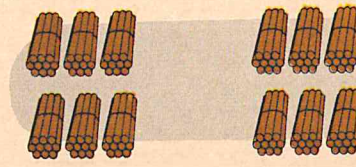
$$\begin{array}{r} 13 \\ -\ 8 \\ \hline \end{array}$$



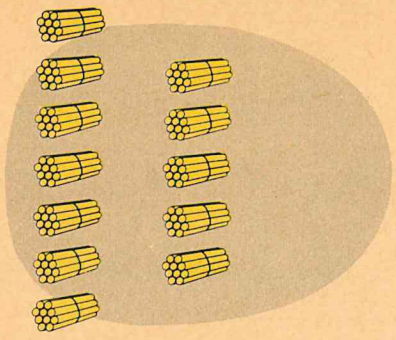
$$\begin{array}{r} 130 \\ -\ 80 \\ \hline \end{array}$$



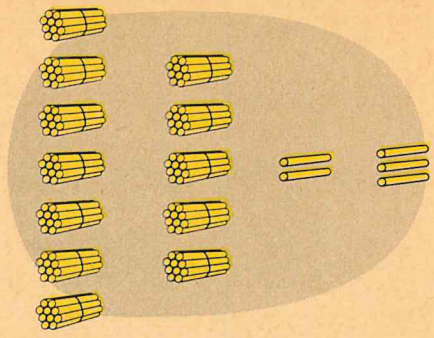
$$\begin{array}{r} 12 \\ -\ 6 \\ \hline \end{array}$$



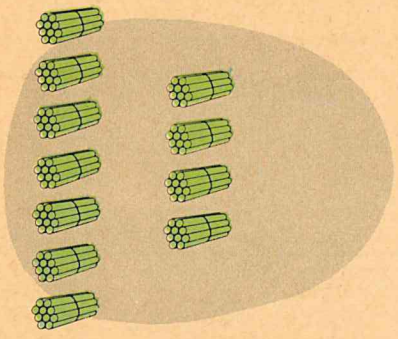
$$\begin{array}{r} 120 \\ -\ 60 \\ \hline \end{array}$$



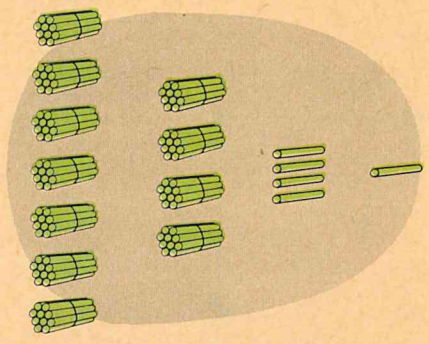
$$\begin{array}{r} 120 \\ -50 \\ \hline \end{array}$$



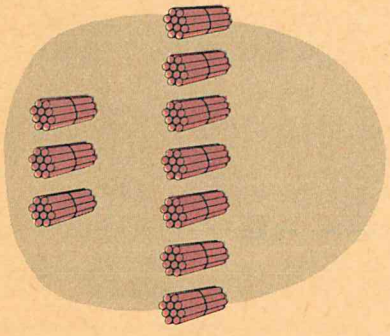
$$\begin{array}{r} 125 \\ -53 \\ \hline \end{array}$$



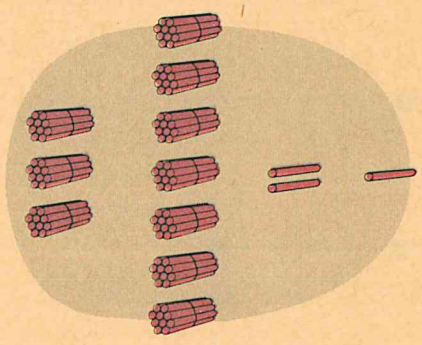
$$\begin{array}{r} 110 \\ -40 \\ \hline \end{array}$$



$$\begin{array}{r} 115 \\ -41 \\ \hline \end{array}$$

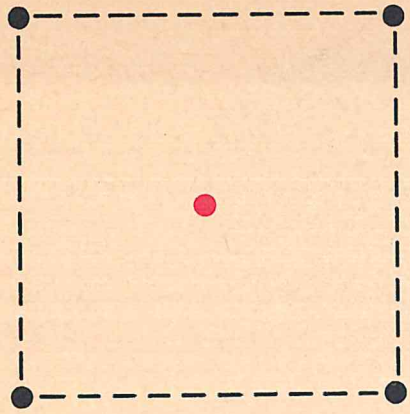


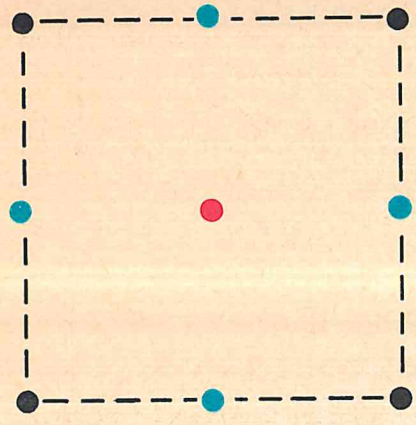
$$\begin{array}{r} 100 \\ -70 \\ \hline \end{array}$$

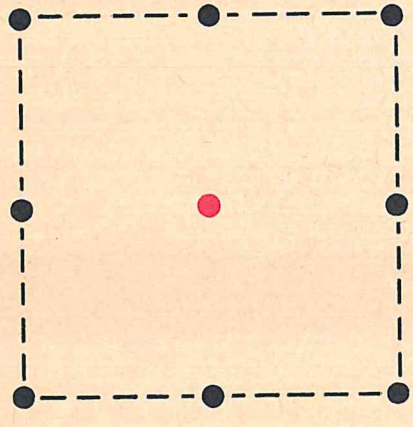


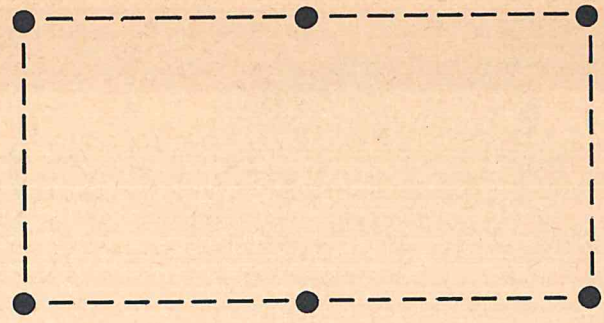
$$\begin{array}{r} 103 \\ -72 \\ \hline \end{array}$$

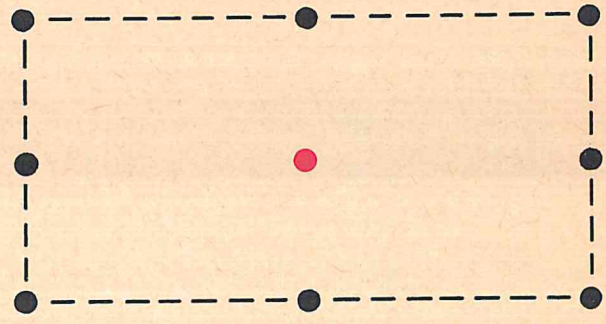
$\begin{array}{r} 116 \\ -53 \\ \hline \end{array}$	$\begin{array}{r} 137 \\ -62 \\ \hline \end{array}$	$\begin{array}{r} 128 \\ -45 \\ \hline \end{array}$	$\begin{array}{r} 139 \\ -54 \\ \hline \end{array}$	$\begin{array}{r} 117 \\ -73 \\ \hline \end{array}$	$\begin{array}{r} 126 \\ -82 \\ \hline \end{array}$	$\begin{array}{r} 117 \\ -61 \\ \hline \end{array}$	$\begin{array}{r} 134 \\ -83 \\ \hline \end{array}$
$\begin{array}{r} 137 \\ -94 \\ \hline \end{array}$	$\begin{array}{r} 128 \\ -73 \\ \hline \end{array}$	$\begin{array}{r} 109 \\ -56 \\ \hline \end{array}$	$\begin{array}{r} 139 \\ -43 \\ \hline \end{array}$	$\begin{array}{r} 118 \\ -34 \\ \hline \end{array}$	$\begin{array}{r} 109 \\ -25 \\ \hline \end{array}$	$\begin{array}{r} 124 \\ -62 \\ \hline \end{array}$	$\begin{array}{r} 109 \\ -88 \\ \hline \end{array}$
$\begin{array}{r} 128 \\ -32 \\ \hline \end{array}$	$\begin{array}{r} 106 \\ -64 \\ \hline \end{array}$	$\begin{array}{r} 119 \\ -27 \\ \hline \end{array}$	$\begin{array}{r} 128 \\ -96 \\ \hline \end{array}$	$\begin{array}{r} 117 \\ -85 \\ \hline \end{array}$	$\begin{array}{r} 119 \\ -92 \\ \hline \end{array}$	$\begin{array}{r} 136 \\ -71 \\ \hline \end{array}$	$\begin{array}{r} 105 \\ -44 \\ \hline \end{array}$

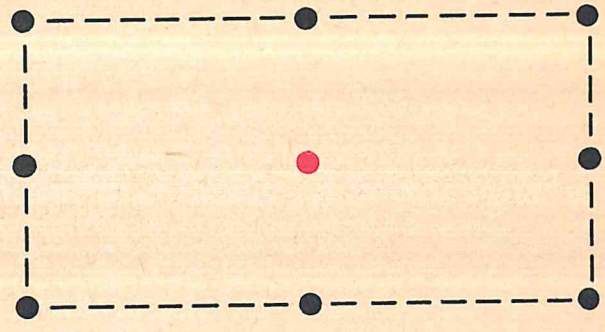


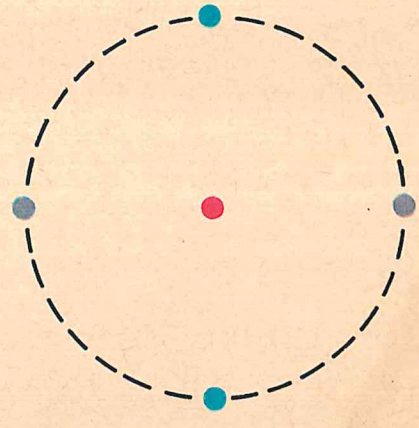




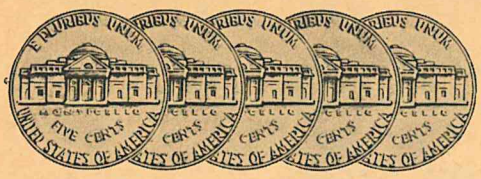






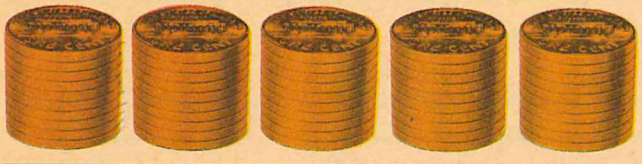


25 cents

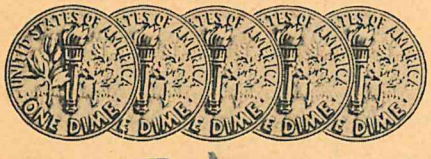


25 cents

A quarter will buy as much as 25 pennies or 5 nickels.
How much money is a quarter? 25 cents

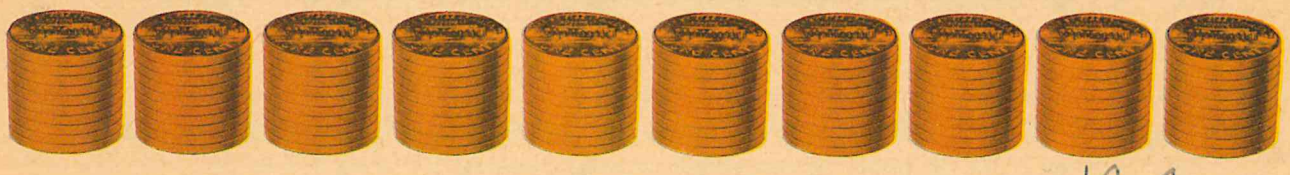


50 cents

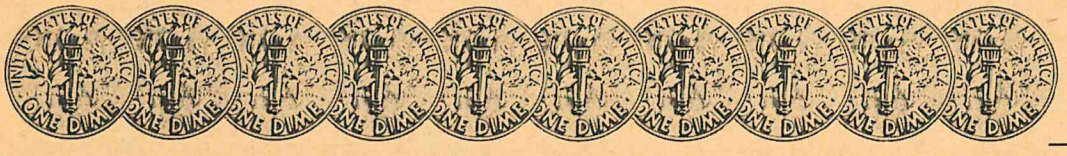


50 cents

A half dollar will buy as much as 50 pennies or 5 dimes.
How much money is a half dollar? 50 cents



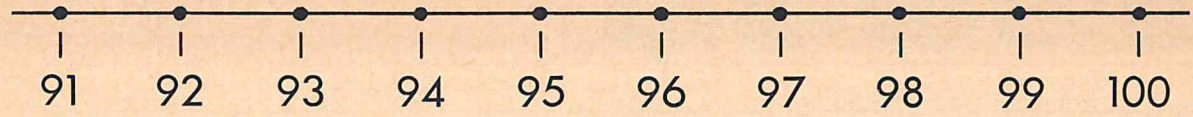
100 cents

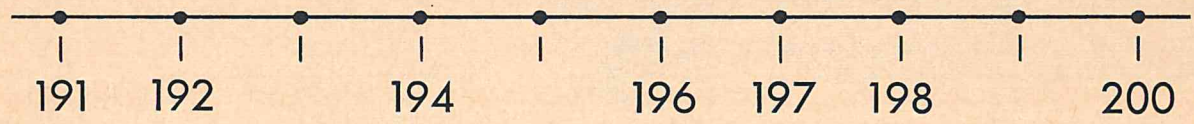


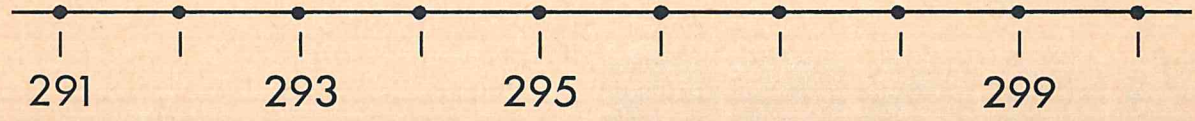
100 cents

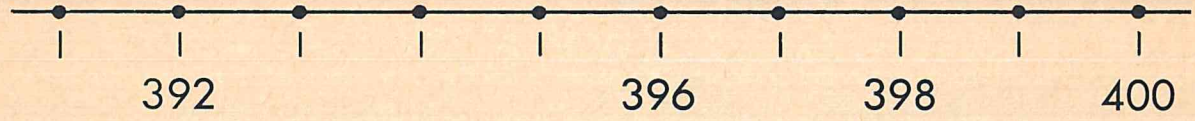
One dollar will buy as much as 100 pennies or 10 dimes.
How much money is a dollar? 100 cents

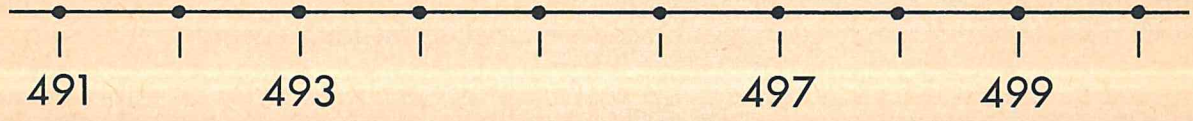
Write the missing numerals.

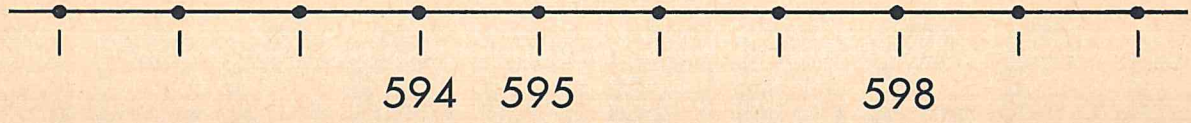


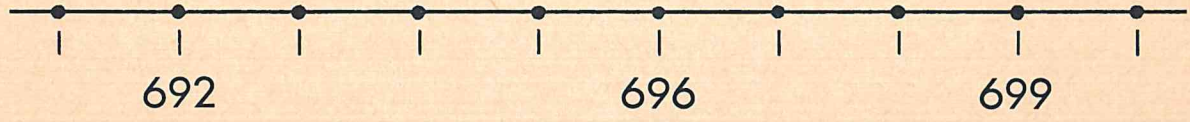


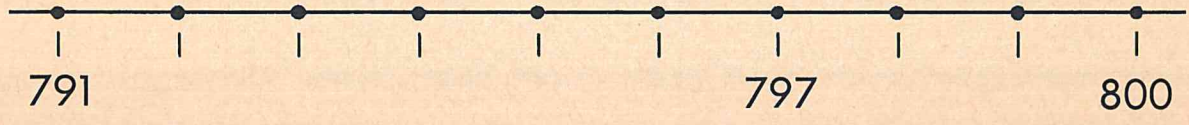


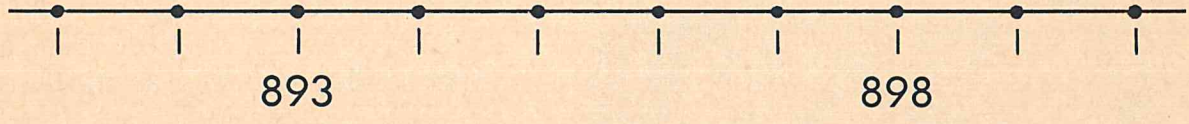


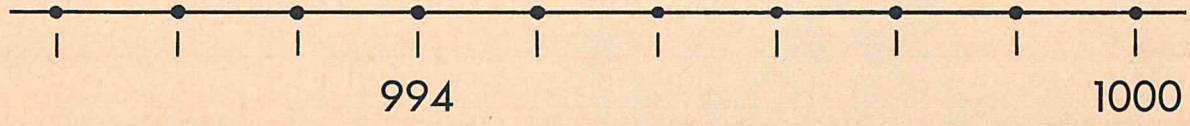












253, 254, 255, _____	353, 354, 355, _____	453, 454, 455, _____
621, 622, _____, 624	721, 722, _____, 724	821, 822, _____, 824
413, _____, 415, 416	513, _____, 515, 516	613, _____, 615, 616
2, _____, 4, _____	402, _____, 404, _____	802, _____, 804, _____
212, 213, _____, _____	412, 413, _____, _____	612, 613, _____, _____
352, _____, _____, 355	652, _____, _____, 655	952, _____, _____, 955
_____, _____, 98, 99	_____, _____, 398, 399	_____, _____, 798, 799
697, 698, 699, _____	797, 798, 799, _____	897, 898, 899, _____
9, _____, _____, 12	309, _____, _____, 312	509, _____, _____, 512
758, 759, _____, _____	858, 859, _____, _____	958, 959, _____, _____
_____, _____, 199, 200	_____, _____, 299, 300	_____, _____, 399, 400
_____, 500, _____, 502	_____, 700, _____, 702	_____, 900, _____, 902
_____, _____, 401, 402	_____, _____, 601, 602	_____, _____, 801, 802
797, 798, _____, _____	897, 898, _____, _____	997, 998, _____, _____

The boys and girls are giving plays about children in other lands.
Think about the number stories which the pictures show.

9 + 5 = 14

5 + 9 = 14

9 − 5 = 4

___ − ___ = ___

___ + ___ = ___

___ + ___ = ___

___ − ___ = ___

___ − ___ = ___

9	5	14	14	8	6	14	14
+5	+9	−5	−9	+6	+8	−6	−8

The boys are dressed like children of another land.
Think about the number stories which the pictures show.

___ + ___ = ___

___ − ___ = ___

___ + ___ = 14
___ − 5 = ___

___ + ___ = 14
___ − 9 = ___

___ + ___ = 14
___ − 6 = ___

___ + ___ = 14
___ − 8 = ___

___ + ___ = 14

___ − 7 = ___

Five boys are watching the chipmunks. Nine more boys are coming. How many will be watching the chipmunks after all of the boys come?

____ ____ = ____

There were 14 chipmunks playing. After they saw the boys, 8 of them went away. How many chipmunks were playing then?

____ ____ = ____

Add or subtract, and write the missing numerals.

13	12	14	11	13	12	11	14	12	13
−5	−3	−7	−3	−8	−6	−8	−5	−9	−6
13	12	11	14	12	6	4	9	3	6
−9	−5	−7	−6	−7	+5	+8	+5	+9	+8
3	5	5	2	1	1	3	2	3	6
2	4	1	4	3	4	5	2	4	2
8	3	7	8	7	9	4	9	7	5
74	93	61	81	74	92	86	92		
+64	+53	+68	+65	+52	+47	+33	+25		
137	118	127	139	127	149	136	148		
−42	−52	−84	−76	−41	−88	−53	−96		

One day 6 boys and 8 girls went to find some leaves and cones. How many children went?

____ ____ = ____

Mary found 14 red leaves. She gave 9 of them to Alice to make a hat. How many leaves did Mary have then?

____ ____ = ____

Jane found 13 yellow leaves. She gave 7 of them to Sarah. How many leaves did Jane have left?

____ ____ = ____

The boys saw 4 chipmunks, 4 squirrels, and 5 rabbits. How many animals did the boys see?

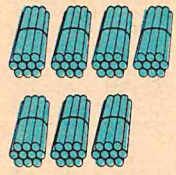
____ ____ ____ = ____

The boys found 148 cones. They gave 62 of them to the girls. How many cones did the boys have then? _____

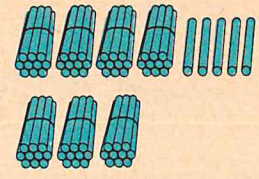
_____ _____ = ?

The boys gave the girls 62 cones. The girls found 42 more. How many cones did the girls have then? _____

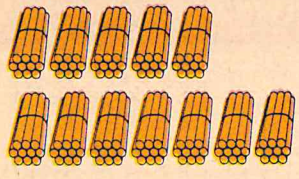
_____ _____ = ?



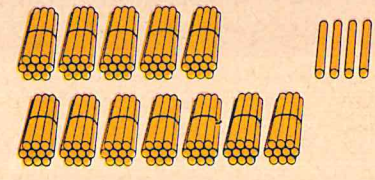
$$\begin{array}{r} 40 \\ +30 \\ \hline \end{array}$$



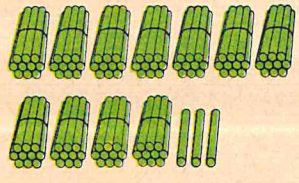
$$\begin{array}{r} 45 \\ +30 \\ \hline \end{array}$$



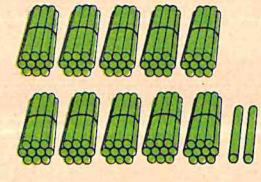
$$\begin{array}{r} 50 \\ +70 \\ \hline \end{array}$$



$$\begin{array}{r} 54 \\ +70 \\ \hline \end{array}$$

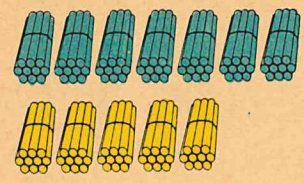


$$\begin{array}{r} 70 \\ +43 \\ \hline \end{array}$$

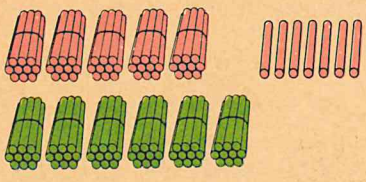


$$\begin{array}{r} 50 \\ +52 \\ \hline \end{array}$$

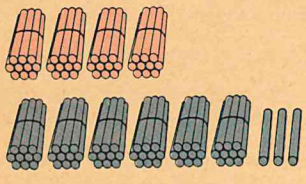
56	60	90	80	31	40	42	70
+80	+63	+50	+32	+70	+89	+90	+60
80	88	10	70	54	30	80	92
+27	+60	+90	+36	+90	+90	+53	+30
70	23	90	99	60	67	96	70
+71	+80	+25	+10	+88	+70	+40	+59



$$\begin{array}{r} 70 \\ +50 \\ \hline \end{array} \qquad \begin{array}{r} 120 \\ -50 \\ \hline \end{array} \qquad \begin{array}{r} 120 \\ -70 \\ \hline \end{array}$$

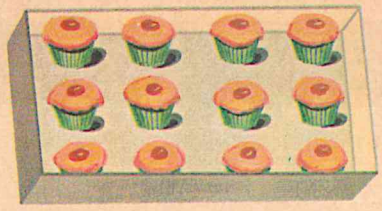


$$\begin{array}{r} 57 \\ +60 \\ \hline \end{array} \qquad \begin{array}{r} 117 \\ -60 \\ \hline \end{array} \qquad \begin{array}{r} 117 \\ -57 \\ \hline \end{array}$$



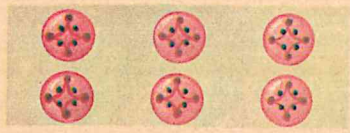
$$\begin{array}{r} 40 \\ +63 \\ \hline \end{array} \qquad \begin{array}{r} 103 \\ -63 \\ \hline \end{array} \qquad \begin{array}{r} 103 \\ -40 \\ \hline \end{array}$$

134	143	106	140	137	100	139	126
−90	−63	−80	−90	−57	−20	−70	−46
115	149	148	111	103	135	122	112
−85	−79	−50	−20	−50	−80	−42	−70
101	147	134	123	138	129	118	105
−91	−80	−64	−80	−48	−99	−38	−30

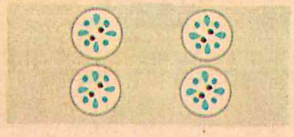


Bob bought 1 dozen cupcakes.
How many are there in 1 dozen? _____

Bob gave one half dozen cupcakes to Fred.
How many are there in one half dozen? _____

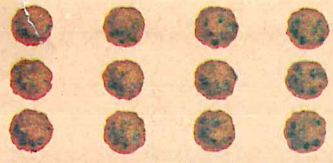


Jane needs 1 dozen of these buttons.
How many cards of the buttons
should she buy? _____

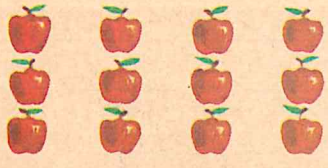


Alice needs 1 dozen of these buttons.
How many cards of the buttons
should she buy? _____

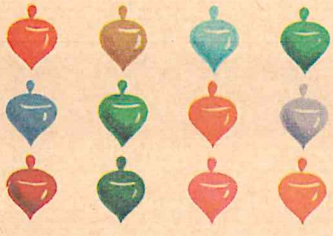
Sarah needs 1 dozen of these buttons.
How many cards of the buttons
should she buy? _____



Ann made 1 dozen cookies.
If she gives 2 cookies to each boy,
how many boys can she give cookies to? _____

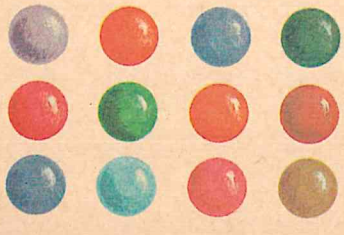


Mary had 1 dozen apples.
She gave one fourth of them to Helen.
How many apples did she give to Helen? _____



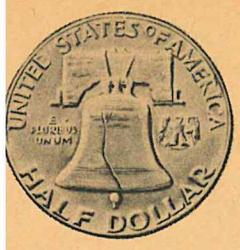
The man in the store had 1 dozen tops in a box.
Tom bought 3 of them.
How many tops did the man have then?

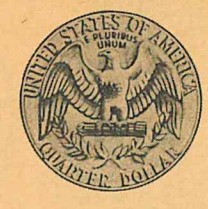
_____ _____ = _____



The man had 1 dozen balls to sell.
John bought one half dozen of them.
How many balls were left?

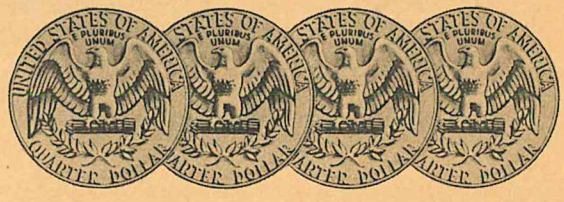
_____ _____ = _____



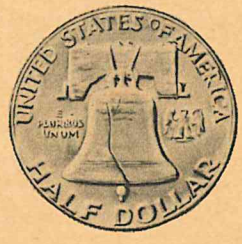


1 half dollar will
buy as much as

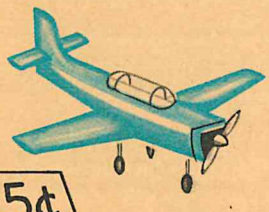
two quarters.

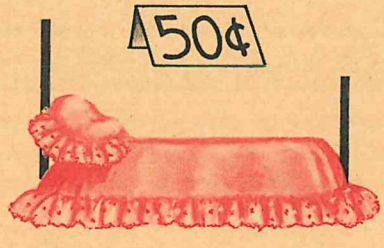


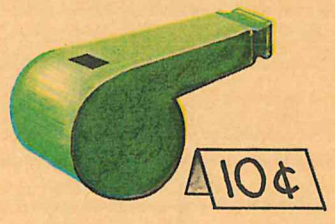
One dollar will
buy as much as 4 quarters.



One dollar will
buy as much as 2 half dollars.







How many airplanes can you buy with 1 half dollar? ____

How many airplanes can you buy with 1 dollar? ____

How many nickels do you need to buy 1 airplane? ____

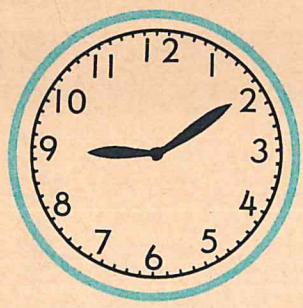
How many doll beds can you buy with 1 dollar? ____

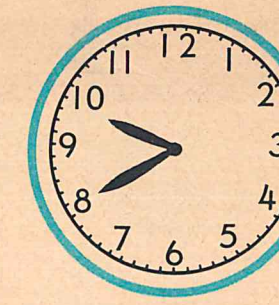
How many quarters do you need to buy 1 doll bed? ____

How many dimes do you need to buy 1 doll bed? ____

How many whistles can you buy with 1 half dollar? ____

How many whistles can you buy with 1 dollar? ____



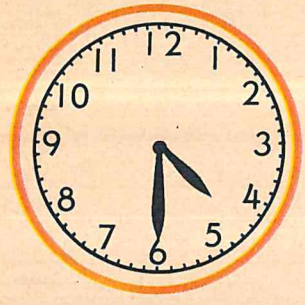


John went to Fred's house at _____ minutes past _____.

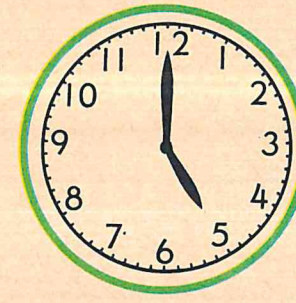
John left Fred's house at _____ minutes to _____.

John stayed at Fred's house _____ minutes.

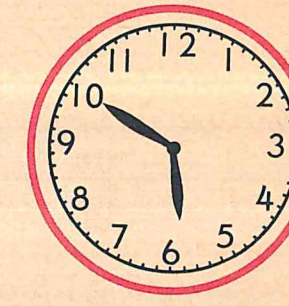
Write the numerals that tell what time the clocks show.



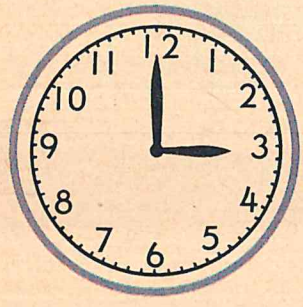
half past _____



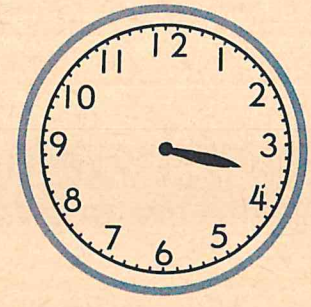
_____ o'clock



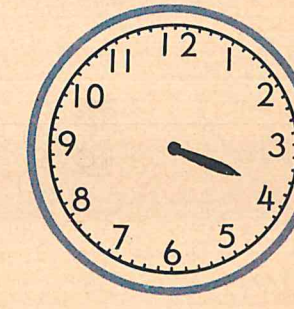
_____ minutes to _____



_____ o'clock



half past 3



15 minutes to 4

How many minutes is it from 3 o'clock to half past 3? _____

How many minutes is it from half past 3 to 15 minutes to 4? _____

Show what each numeral means.

860 means _____ tens

180 means _____ tens

130 means _____ tens

110 means _____ tens

120 means _____ tens

160 means _____ tens

320 means _____ tens

150 means _____ tens

---

hundreds tens ones

14 tens means ___ ___ ___

13 tens means ___ ___ ___

31 tens means ___ ___ ___

10 tens means ___ ___ ___

hundreds tens ones

12 tens means ___ ___ ___

43 tens means ___ ___ ___

60 tens means ___ ___ ___

77 tens means ___ ___ ___

---

hundreds tens ones

341 means ___ ___ ___

104 means ___ ___ ___

500 means ___ ___ ___

138 means ___ ___ ___

409 means ___ ___ ___

164 means ___ ___ ___

141 means ___ ___ ___

188 means ___ ___ ___

341 means _____ tens and _____ one

104 means _____ tens and _____ ones

500 means _____ tens and _____ ones

138 means _____ tens and _____ ones

409 means _____ tens and _____ ones

164 means _____ tens and _____ ones

141 means _____ tens and _____ one

188 means _____ tens and _____ ones

In each row, write the numerals that are missing.

501, 502, _____, _____, 505, 506, 507, _____, 509, _____

_____, 898, 899, _____, _____, 902, 903, _____, 905, 906

312, _____, _____, 315, 316, 317, 318, _____, _____

657, 658, _____, _____, 661, 662, 663, _____, _____, 666

_____, _____, 103, 104, 105, _____, 107, 108, 109, _____

429, _____, 431, _____, 433, _____, 435, 436, _____, 438

Write the numeral that comes before and the numeral that comes after each of these numerals.

_____, 249, _____	_____, 302, _____	_____, 999, _____
_____, 509, _____	_____, 879, _____	_____, 634, _____
_____, 911, _____	_____, 440, _____	_____, 777, _____

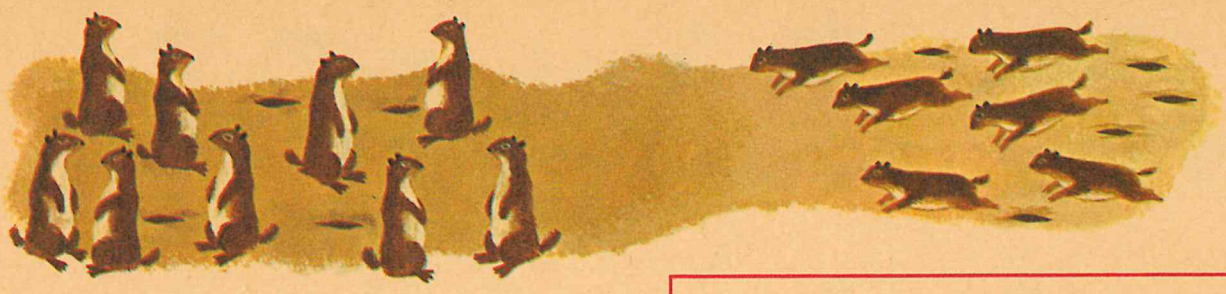
Copy these numerals. If they are not in order, put them in order. Put the name for the smallest number first.

97, 79 _____, _____	607, 760 _____, _____	225, 252 _____, _____
858, 885 _____, _____	721, 712 _____, _____	334, 343 _____, _____
565, 655 _____, _____	772, 727 _____, _____	909, 919 _____, _____

431, 413, 314 _____, _____, _____ 231, 312, 123 _____, _____, _____

989, 899, 998 _____, _____, _____ 435, 534, 354 _____, _____, _____

326, 632, 263 _____, _____, _____ 579, 975, 759 _____, _____, _____

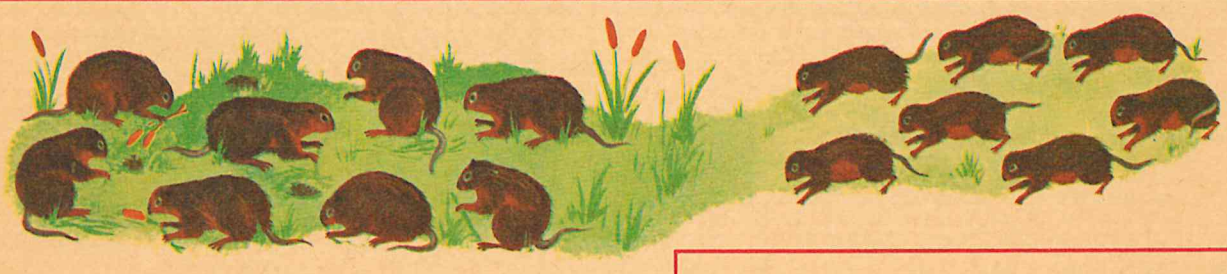


___ + ___ = ___

___ + ___ = ___

___ − ___ = ___

___ − ___ = ___



___ + ___ = ___

___ + ___ = ___

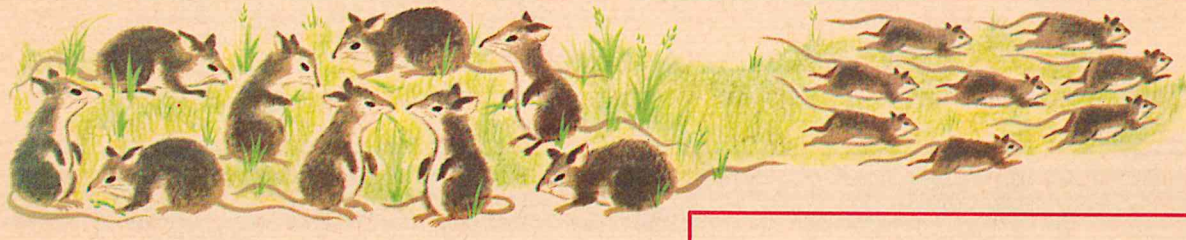
___ − ___ = ___

___ − ___ = ___

9	6	15	15	8	7	15	15
+6	+9	−6	−9	+7	+8	−7	−8

___ + ___ = ___

___ + ___ = ___



___ − ___ = ___

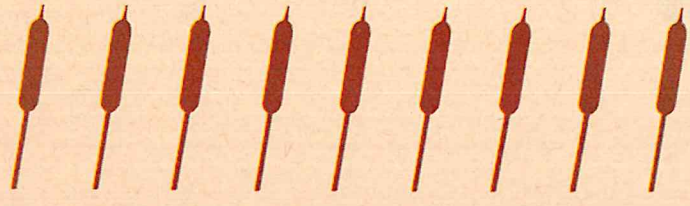
___ − ___ = ___

___ + ___ = 15
___ − 6 = ___

___ + ___ = 15
___ − 9 = ___

___ + ___ = 15
___ − 7 = ___

___ + ___ = 15
___ − 8 = ___



___ + ___ = 17
___ − 8 = ___

___ + ___ = 17
___ − 9 = ___

One day Sarah and Don saw 17 ducks on the lake. Nine of them flew away. How many ducks were on the lake then?

____ ____ = ____

Sarah found 7 turtle eggs at the lake and Don found 8. How many turtle eggs did they find in all?

____ ____ = ____

Add or subtract, and write the missing numerals.

13	15	12	11	14	12	15	13	11	14
−4	−7	−8	−9	−7	−4	−9	−7	−6	−9

14	12	17	13	14	9	8	6	5	8
−8	−7	−8	−9	−6	+4	+9	+9	+7	+7

3	1	2	1	1	3	3	5	5	2
2	4	7	3	8	3	5	3	4	5
9	6	6	8	5	7	9	6	2	8

86	70	92	60	81	90	79	70
+70	+40	+36	+97	+57	+80	+70	+68

170	138	157	120	159	135	109	146
−90	−84	−67	−30	−80	−65	−24	−50

One day 8 girls and 7 boys went to the seashore. How many children went to the shore that day?

____ ____ = ____

The boys found 15 turtles on the shore. Six of them went into the water. How many turtles were on the shore then?

____ ____ = ____

The girls counted 17 birds on the shore. Then 8 of them flew away. How many birds were left on the shore?

____ ____ = ____

Ann found 6 sea shells, Helen found 3, and Jane found 8. How many shells did the three girls find in all?

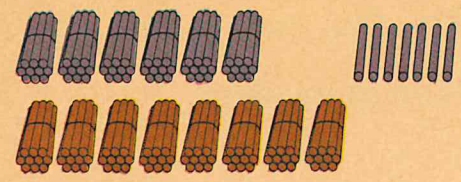
____ ____ ____ = ____

Bob found 75 rocks on the seashore. Sam found 70 more. How many rocks did the boys find? _____

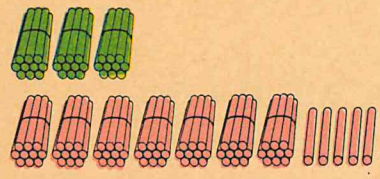
_____ _____ = ?

John and Ted found 156 rocks on the shore. They used 96 of them around the boathouse. How many rocks did the boys have left? _____

_____ _____ = ?

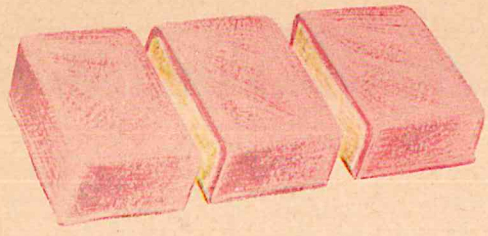


67	80	147	147
+80	+67	−80	−67



30	75	105	105
+75	+30	−75	−30

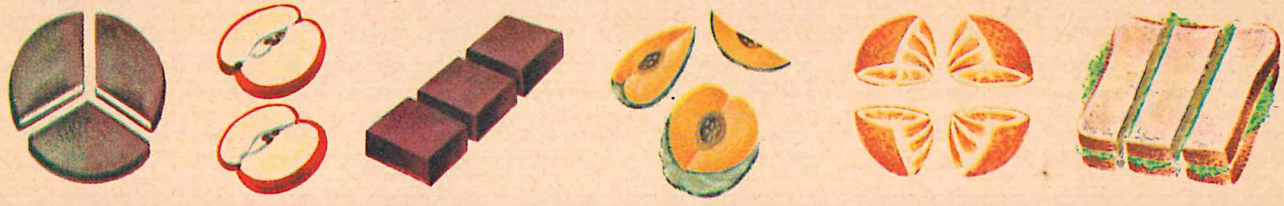
70	43	113	113	56	50	106	106
+43	+70	−43	−70	+50	+56	−50	−56
98	40	138	138	75	93	168	168
+40	+98	−40	−98	+93	+75	−93	−75
90	94	184	184	91	60	151	151
+94	+90	−94	−90	+60	+91	−60	−91
70	79	149	149	80	92	172	172
+79	+70	−79	−70	+92	+80	−92	−80
86	83	169	169	58	91	149	149
+83	+86	−83	−86	+91	+58	−91	−58

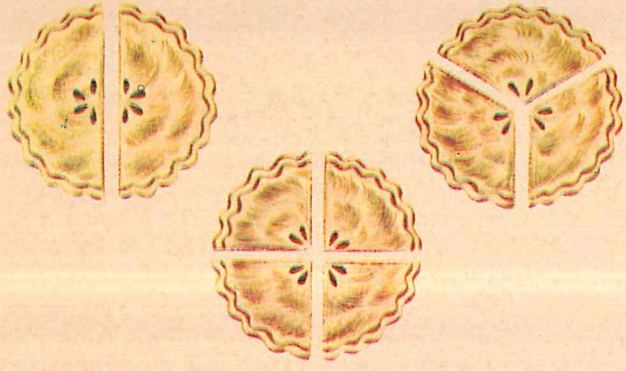


How many pieces are there in the cake? _____

Are the pieces all the same size? Yes No

Each piece is one third of the cake.





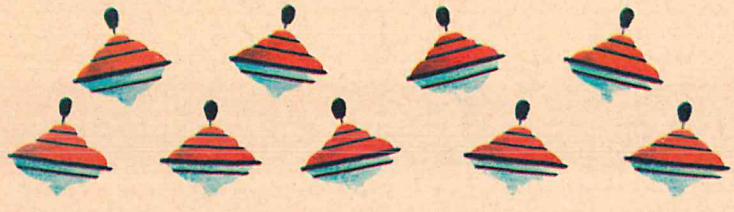
Put an X on one half of a pie.
How many halves in the pie? _____

Put a ✓ on one fourth of a pie.
How many fourths in the pie? _____

Put a ✻ on one third of a pie.
How many thirds in the pie? _____

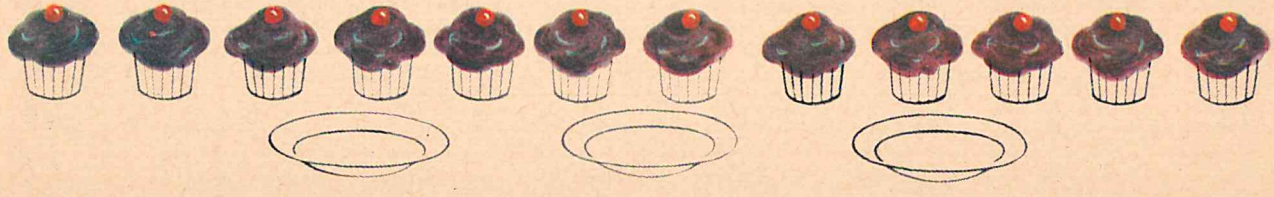
How many dolls can each of 3 girls have? _____

What is one third of 6? _____



How many tops can each of 3 boys have? _____

What is one third of 9? _____



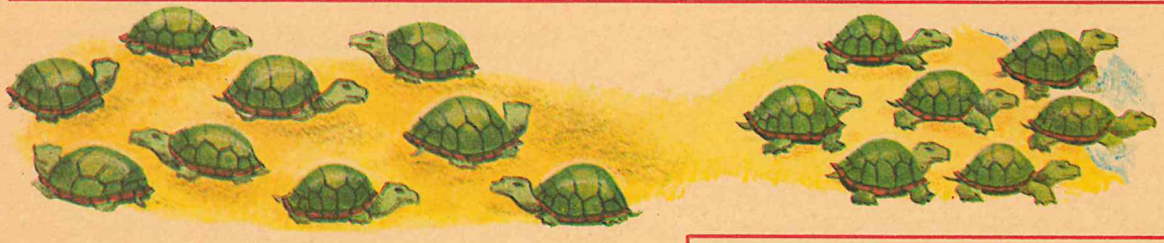
How many cupcakes can each of 3 girls have? _____

What is one third of 12? _____

Look at the pictures and think of number stories about the turtles and frogs.

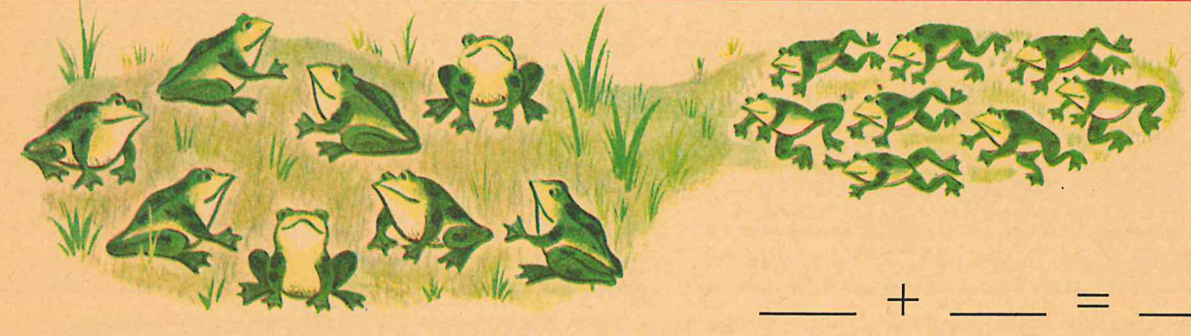
___ + ___ = ___

___ + ___ = ___

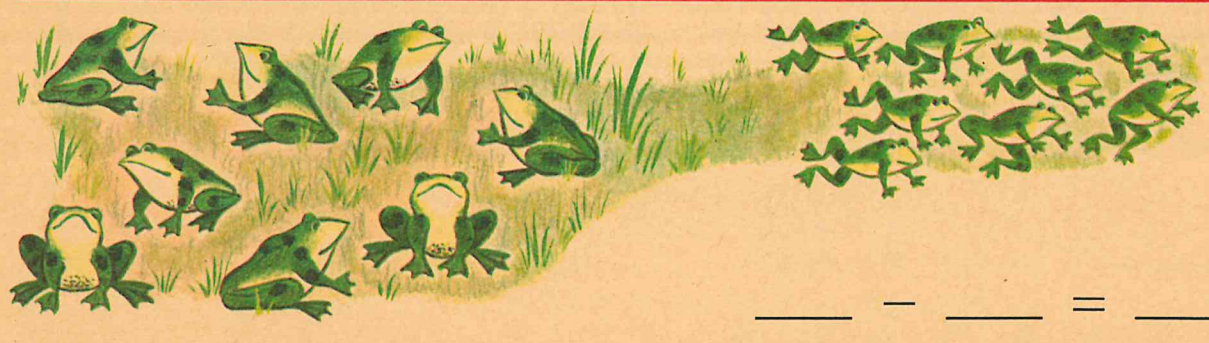


___ − ___ = ___

___ − ___ = ___



___ + ___ = ___



___ − ___ = ___

9	7	16	16	8	16
+7	+9	−7	−9	+8	−8

___ + ___ = ___

___ − ___ = ___

___ + ___ = 16

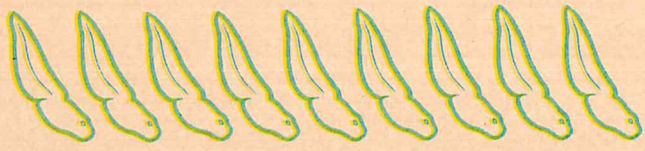
___ − 7 = ___

___ + ___ = 16

___ − 9 = ___

___ + ___ = 16

___ − 8 = ___



___ + ___ = 18

___ − 9 = ___

Helen cut out 18 paper dolls. She gave 9 of them to Jane. How many paper dolls did Helen keep?

____ ____ = ____

Don made 9 paper airplanes. Ted made 7. How many paper airplanes did the boys make?

____ ____ = ____

Add or subtract, and write the missing numerals.

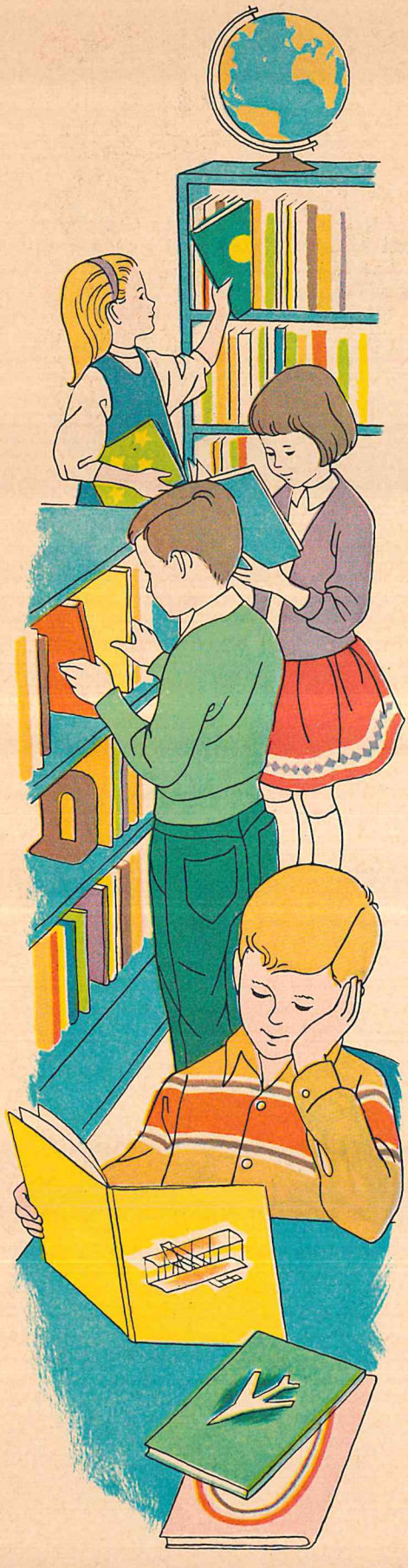
14	15	13	14	12	16	13	14	13	17
−5	−9	−5	−6	−7	−9	−6	−7	−4	−9

11	15	11	13	15	7	7	8	6	8
−4	−8	−6	−8	−6	+9	+8	+5	+9	+6

6	4	4	7	4	5	2	3	2	6
1	2	3	2	5	2	3	6	4	2
5	8	6	5	9	7	8	7	6	8

58	82	80	80	63	97	52	80
+50	+45	+94	+30	+75	+60	+96	+79

173	104	138	160	119	188	157	167
−83	−30	−96	−70	−52	−98	−73	−80



The children went to the library to find books. Bob and Don found 9 books about trains and 7 about boats. How many books did they find about these two things?

____ ____ = ____

Sam counted 18 books about airplanes. He had read 9 of them. How many of the books about airplanes had Sam not read?

____ ____ = ____

Ann found 5 books about other lands, Sarah found 4, and Mary found 6. How many books about other lands did the girls find?

____ ____ ____ = ____

Susan saw 15 books about stars. She had read 7 of them. How many of the books about stars had Susan not read?

____ ____ = ____

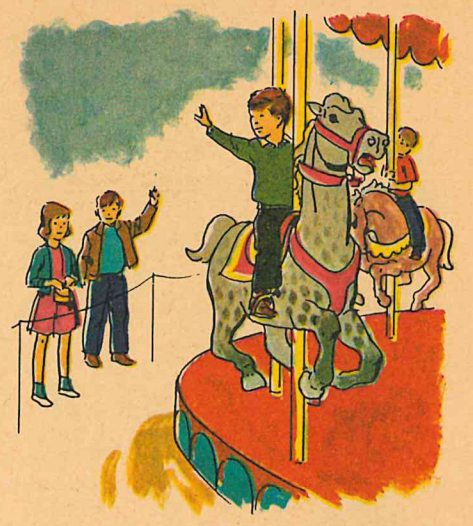
Some boys found 80 books about animals and 84 books about birds. How many books did they find about these two things? _____

_____ _____ = ?

Jane found a book about horses that has 164 pages. She read 90 pages the first day. How many pages are left for her to read? _____

_____ _____ = ?

One day 9 girls and 7 boys went to ride the merry-go-round. How many children went in all?

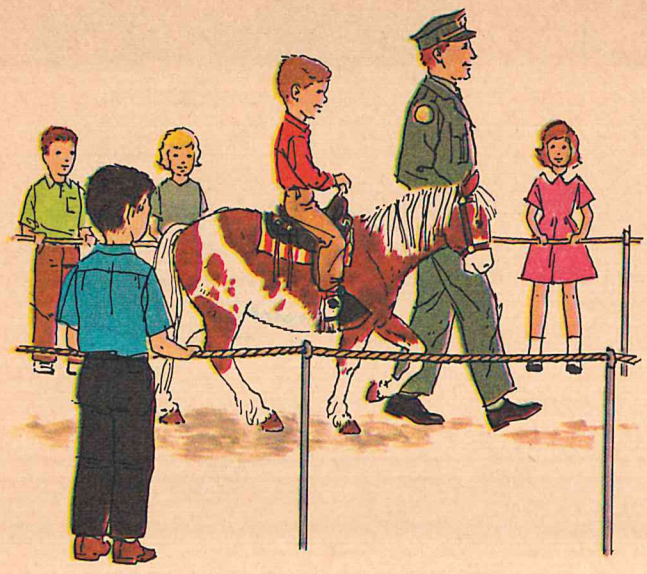


____ ____ = ____

There were 16 children on the merry-go-round. Eight of them got off. Then how many children were on the merry-go-round?

____ ____ = ____

9	3	8	6	5	8	9	9	5	3
+4	+8	+9	+6	+8	+7	+2	+6	+6	+9
7	9	6	7	8	5	8	7	5	8
+7	+9	+9	+4	+6	+7	+8	+6	+9	+4
3	1	3	1	2	4	2	2	1	1
4	6	6	8	6	2	5	7	7	5
8	5	8	3	5	7	9	5	3	8
25	60	43	31	60	57	83	53		
+81	+32	+32	+74	+24	+31	+10	+55		
70	95	43	41	40	87	54	56		
+21	+10	+53	+63	+48	+20	+41	+21		
42	60	20	62	46	73	49	12		
+72	+50	+99	+43	+90	+31	+80	+94		



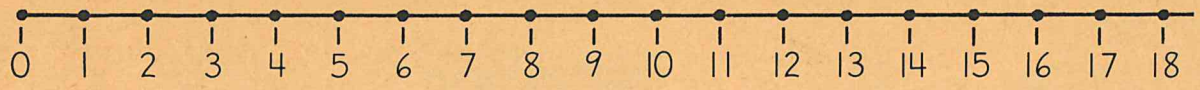
There were 16 children who went to see the ponies in the park. Nine of them rode the ponies. How many children did not ride?

____ ____ = ____

Seven boys and 9 girls had a ride in the little train. How many children rode in the little train?

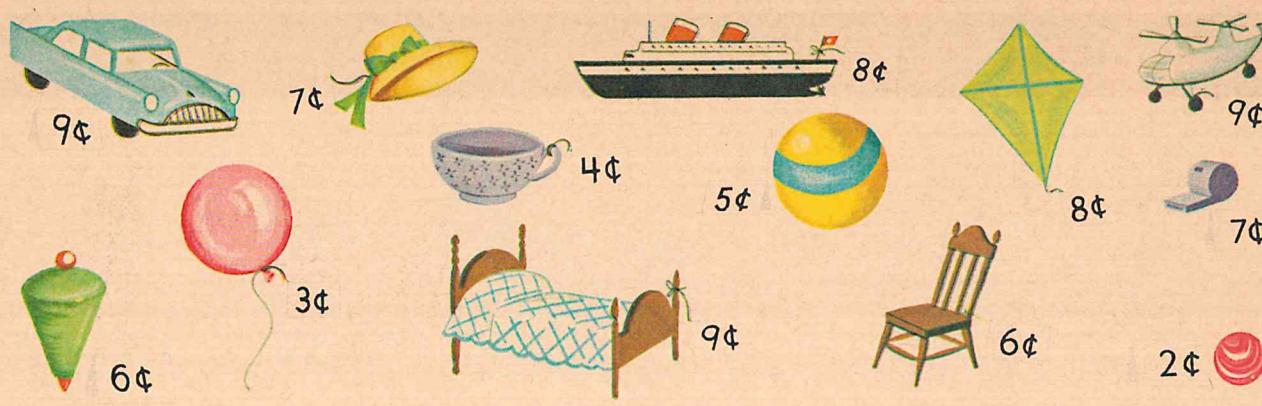
____ ____ = ____

11	16	15	14	17	14	12	14	11	13
−2	−8	−6	−5	−9	−8	−3	−7	−8	−5
12	14	16	13	11	13	11	12	15	12
−5	−6	−7	−9	−6	−7	−4	−8	−8	−6
98	79	108	86	96	100	98	79		
−26	−51	−35	−42	−43	−60	−61	−27		
105	87	96	108	136	142	109	187		
−15	−21	−54	−53	−85	−90	−80	−93		
155	126	114	125	109	119	178	107		
−73	−91	−72	−42	−73	−98	−88	−44		
118	104	153	137	127	115	106	135		
−57	−24	−91	−46	−70	−31	−90	−64		



$\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$	$5 + 5 + 2 = ___$
$\begin{array}{r} 5 \\ +6 \\ \hline \end{array}$	$5 + 5 + ___ = ___$
$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$	$8 + 2 + ___ = ___$
$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$	$7 + 3 + ___ = ___$
$\begin{array}{r} 9 \\ +2 \\ \hline \end{array}$	$9 + 1 + ___ = ___$
$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$	$4 + 6 + ___ = ___$
$\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$	$3 + 7 + ___ = ___$
$\begin{array}{r} 4 \\ +7 \\ \hline \end{array}$	$4 + 6 + ___ = ___$
$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$	$8 + 2 + ___ = ___$
$\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$	$9 + 1 + ___ = ___$
$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$	$9 + 1 + ___ = ___$
$\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$	$6 + ___ + ___ = ___$
$\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$	$7 + ___ + ___ = ___$

$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$	$6 + 4 + 2 = ___$
$\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$	$7 + 3 + ___ = ___$
$\begin{array}{r} 8 \\ +3 \\ \hline \end{array}$	$8 + 2 + ___ = ___$
$\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$	$4 + 6 + ___ = ___$
$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$	$6 + 4 + ___ = ___$
$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$	$6 + 4 + ___ = ___$
$\begin{array}{r} 8 \\ +7 \\ \hline \end{array}$	$8 + 2 + ___ = ___$
$\begin{array}{r} 5 \\ +9 \\ \hline \end{array}$	$5 + 5 + ___ = ___$
$\begin{array}{r} 9 \\ +6 \\ \hline \end{array}$	$9 + 1 + ___ = ___$
$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$	$7 + 3 + ___ = ___$
$\begin{array}{r} 8 \\ +6 \\ \hline \end{array}$	$8 + 2 + ___ = ___$
$\begin{array}{r} 9 \\ +3 \\ \hline \end{array}$	$9 + ___ + ___ = ___$
$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$	$8 + ___ + ___ = ___$



Ted had 14¢. He bought a car.
How many cents did Ted have then?

____ ____ = ____

Sarah had 15¢. She bought a chair.
How many cents does she have left?

____ ____ = ____

Mary bought a cup and a hat.
How many cents did she spend?

____ ____ = ____

Susan bought a hat and a bed.
How many cents did she spend?

____ ____ = ____

Sam had 13¢. He bought a top.
How many cents did he have then?

____ ____ = ____

John had 17¢. He bought a kite.
How many cents does he have left?

____ ____ = ____

Fred had 14¢. He bought a ball.
How many cents did he have then?

____ ____ = ____

Ann had 16¢. She bought a whistle.
How many cents does she have left?

____ ____ = ____

Don bought a boat and a balloon.
How many cents did he spend?

____ ____ = ____

Tom bought a top, a marble, and a car. How many cents did he spend?

____ ____ ____ = ____

Bob had 18¢. He bought a helicopter. How many cents did he have left?

____ ____ = ____

Helen bought a cup, a balloon, and a hat. How many cents did she spend?

____ ____ ____ = ____

What is 2 and 2? ____ Two 2's is ____

What is 3 and 3? ____ Two 3's is ____

What is 4 and 4? ____ Two 4's is ____

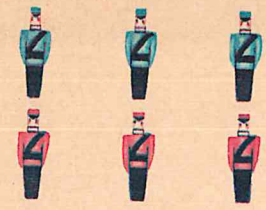
What is 5 and 5? ____ Two 5's is ____

What is 6 and 6? ____ Two 6's is ____

What is 7 and 7? ____ Two 7's is ____

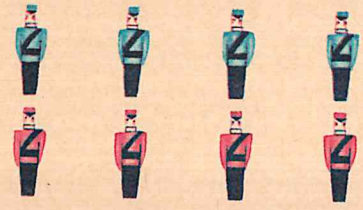
What is 8 and 8? ____ Two 8's is ____

What is 9 and 9? ____ Two 9's is ____



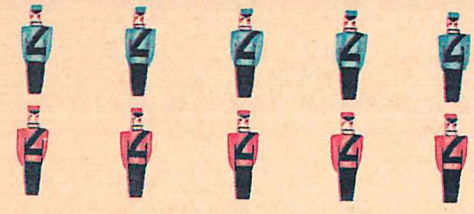
Two 3's is _____

Three 2's is _____



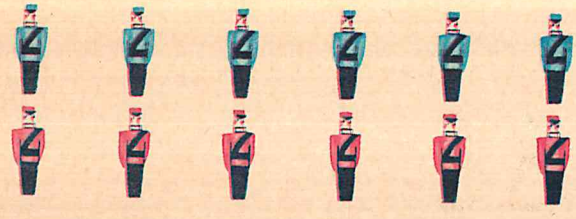
Two 4's is _____

Four 2's is _____



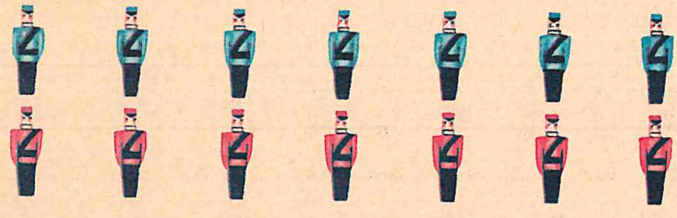
Two 5's is _____

Five 2's is _____



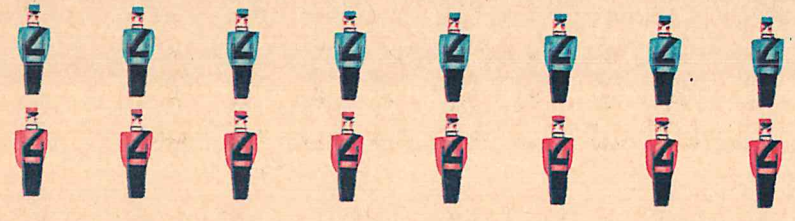
Two 6's is _____

Six 2's is _____



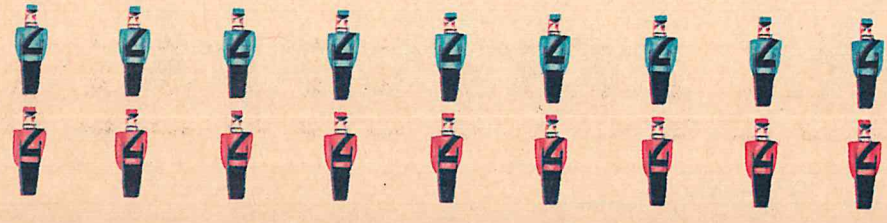
Two 7's is _____

Seven 2's is _____



Two 8's is _____

Eight 2's is _____



Two 9's is _____

Nine 2's is _____

How many sets of 2 did you make? _____ How many 2's in 4? _____

How many sets of 3 did you make? _____ How many 3's in 6? _____

How many sets of 4 did you make? _____ How many 4's in 8? _____

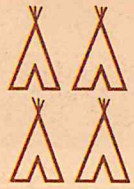
How many sets of 5 did you make? _____ How many 5's in 10? _____

How many sets of 6 did you make? _____ How many 6's in 12? _____

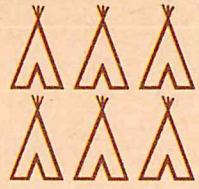
How many sets of 7 did you make? _____ How many 7's in 14? _____

How many sets of 8 did you make? _____ How many 8's in 16? _____

How many sets of 9 did you make? _____ How many 9's in 18? _____

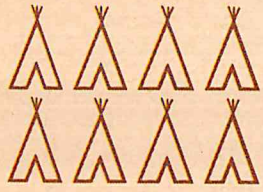


Two 2's is _____ How many 2's in 4? _____



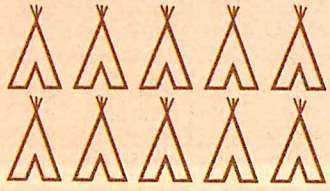
Two 3's is _____ How many 3's in 6? _____

Three 2's is _____ How many 2's in 6? _____



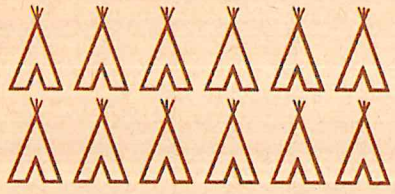
Two 4's is _____ How many 4's in 8? _____

Four 2's is _____ How many 2's in 8? _____



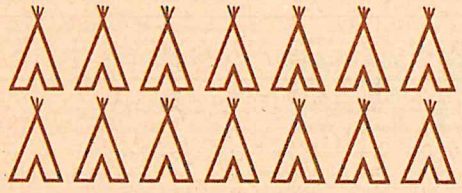
Two 5's is _____ How many 5's in 10? _____

Five 2's is _____ How many 2's in 10? _____



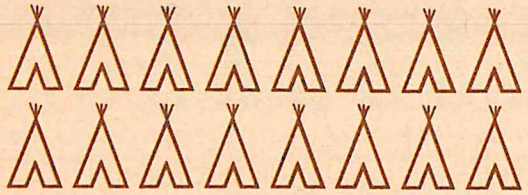
Two 6's is _____ How many 6's in 12? _____

Six 2's is _____ How many 2's in 12? _____



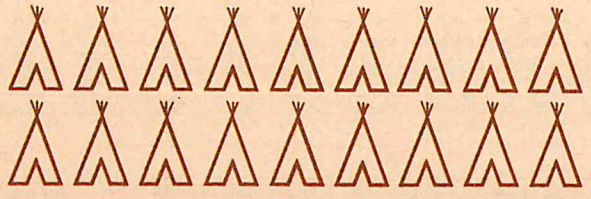
Two 7's is _____ How many 7's in 14? _____

Seven 2's is _____ How many 2's in 14? _____



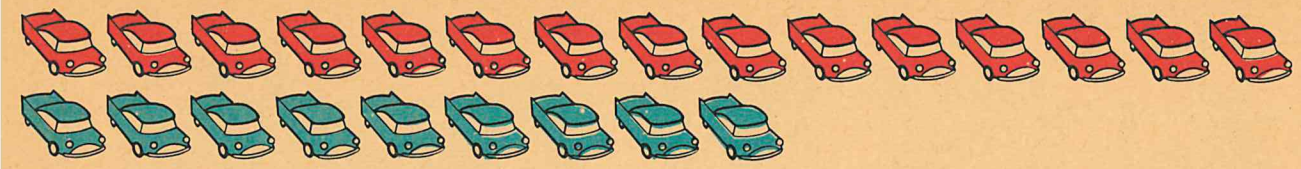
Two 8's is _____ How many 8's in 16? _____

Eight 2's is _____ How many 2's in 16? _____



Two 9's is _____ How many 9's in 18? _____

Nine 2's is _____ How many 2's in 18? _____



Tom has 15 cars. Bob has 9. How many more cars does Tom have than Bob?

Draw a line from each of Bob's cars to one of Tom's cars.

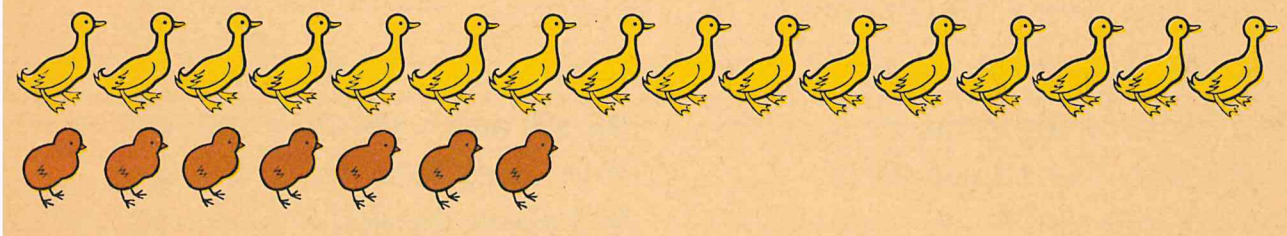
How many cars does Tom have? _____

How many of his cars did you draw lines to? _____

How many more cars does Tom have than Bob? _____

15 − 9 = _____

Look at Tom's and Bob's cars again. How many fewer cars does Bob have? _____



There are 16 ducks and 7 chickens in the pet store. How many fewer chickens than ducks are there?

_____ − _____ = _____

How many more ducks than chickens are there? _____

Ted saw 17 turtles and 8 birds in the store. How many fewer birds than turtles did he see?

_____ _____ = _____

Ann made 14 doll hats and Jane made 6. How many more hats did Ann make than Jane?

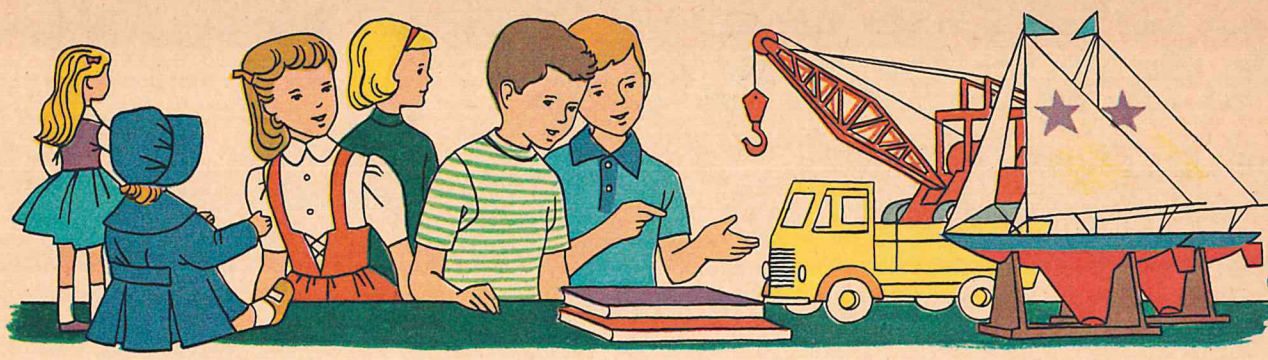
_____ _____ = _____

There were 144 round balloons in one box in the toy store and 84 long balloons in another box. How many more round balloons were there? _____

_____ _____ = ?

The man in the toy store sold 115 toys on Friday and 70 on Monday. How many fewer toys did he sell on Monday than on Friday? _____

_____ _____ = ?



The man in the toy store had 16 sailboats and 8 rowboats. How many more sailboats than rowboats did he have?

____ ____ = ____

The man had 18 trucks to sell. He sold 9 of them. How many trucks did he have left?

____ ____ = ____

The girls saw 17 large dolls and 9 small dolls in the store. How many fewer small dolls were there?

____ ____ = ____

Jane found 15 books about the sea and 6 about the circus. How many more books did she find about the sea?

____ ____ = ____

Fred had a box with 168 marbles in it. He gave 98 of them to Sam. How many marbles did Fred keep? _____

_____ _____ = ?

Bob has 150 pictures of animals. Don has 80 pictures of ball players. How many fewer pictures does Don have? _____

_____ _____ = ?

One day the boys made 112 points playing ring toss. The girls made 90 points. How many more points did the boys make? _____

_____ _____ = ?

Another day the girls made 119 points and the boys made 84. How many fewer points did the boys make? _____

_____ _____ = ?

$7 + ____ = 15$	$\begin{array}{r} 15 \\ -\ 7 \\ \hline \end{array}$
$9 + ____ = 17$	
$22 + ____ = 45$	

$8 + ____ = 14$	$\begin{array}{r} 14 \\ -\ 8 \\ \hline \end{array}$
$5 + ____ = 13$	
$34 + ____ = 56$	

$____ + 9 = 13$	$\begin{array}{r} 13 \\ -\ 9 \\ \hline \end{array}$
$____ + 25 = 57$	
$____ + 68 = 89$	

$____ + 6 = 15$	$\begin{array}{r} 15 \\ -\ 6 \\ \hline \end{array}$
$____ + 41 = 67$	
$____ + 74 = 98$	

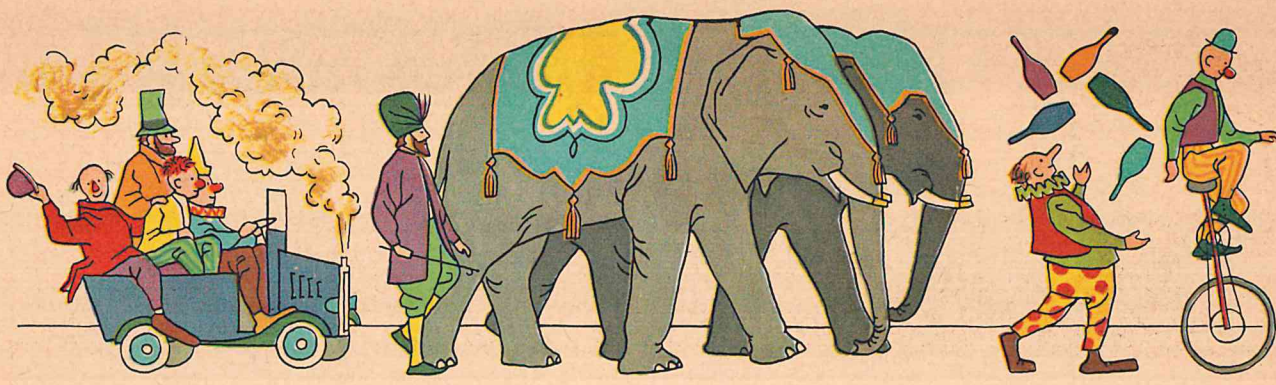
$17 - ____ = 9$	$\begin{array}{r} 17 \\ -\ 9 \\ \hline \end{array}$
$68 - ____ = 32$	$\begin{array}{r} 68 \\ -32 \\ \hline \end{array}$
$94 - ____ = 61$	
$87 - ____ = 26$	
$78 - ____ = 45$	
$82 - ____ = 51$	
$____ - 8 = 6$	$\begin{array}{r} 6 \\ +\ 8 \\ \hline \end{array}$
$____ - 9 = 8$	$\begin{array}{r} 8 \\ +\ 9 \\ \hline \end{array}$
$____ - 45 = 34$	
$____ - 31 = 68$	
$____ - 54 = 23$	
$____ - 43 = 42$	

$17 - ____ = 8$	
$____ - 8 = 5$	
$85 - ____ = 32$	
$____ + 63 = 86$	
$____ + 54 = 95$	
$78 - ____ = 47$	

$7 + ____ = 13$	
$____ + 4 = 11$	
$34 + ____ = 79$	
$____ - 26 = 72$	
$____ - 11 = 62$	
$53 + ____ = 75$	

Start	Move right		Move right again			Start	Move right		Move right again		
0	10	+	6	=	____	0	12	+	7	=	____
0	18	+	1	=	____	0	15	+	4	=	____
0	14	+	3	=	____	0	11	+	6	=	____
0	13	+	2	=	____	0	16	+	1	=	____
0	20	+	8	=	____	0	22	+	5	=	____
0	26	+	2	=	____	0	23	+	3	=	____
0	21	+	7	=	____	0	24	+	4	=	____
0	20	+	5	=	____	0	25	+	2	=	____
0	16	+	4	=	____	0	12	+	8	=	____
0	17	+	5	=	____	0	18	+	4	=	____
0	15	+	7	=	____	0	19	+	6	=	____
0	14	+	8	=	____	0	11	+	9	=	____
0	13	+	8	=	____	0	19	+	9	=	____
0	15	+	6	=	____	0	18	+	8	=	____
0	12	+	9	=	____	0	17	+	7	=	____
0	14	+	7	=	____	0	16	+	6	=	____

Start	Move right		Move left			Start	Move right		Move left		
0	18	−	4	=	____	0	16	−	5	=	____
0	19	−	9	=	____	0	17	−	6	=	____
0	15	−	3	=	____	0	13	−	3	=	____
0	14	−	2	=	____	0	12	−	1	=	____
0	21	−	1	=	____	0	25	−	4	=	____
0	28	−	6	=	____	0	23	−	1	=	____
0	22	−	2	=	____	0	27	−	5	=	____
0	24	−	2	=	____	0	26	−	3	=	____
0	20	−	5	=	____	0	21	−	2	=	____
0	24	−	5	=	____	0	28	−	9	=	____
0	23	−	6	=	____	0	25	−	6	=	____
0	26	−	7	=	____	0	22	−	4	=	____
0	21	−	5	=	____	0	24	−	7	=	____
0	27	−	8	=	____	0	22	−	8	=	____
0	23	−	4	=	____	0	25	−	9	=	____
0	27	−	9	=	____	0	26	−	9	=	____



One day the children watched a parade. They saw 7 boys and 7 girls dressed like Indians. How many children were dressed like Indians?

____ ____ = ____

They saw 14 boys and 9 girls riding in a farmer's truck in the parade. How many fewer girls than boys were riding in the truck?

____ ____ = ____

In the parade, 3 clowns rode on an elephant, 4 rode in a car, and 5 rode in a truck. How many clowns were in the parade?

____ ____ ____ = ____

The children counted 6 monkeys, 3 elephants, and 9 ponies in the parade. How many animals were in the parade?

____ ____ ____ = ____

There were 56 men in one band and 30 boys in another band. How many more men than boys were in the bands? _____

_____ _____ = ?

One man sold 70 balloons at the parade. Another man sold 89. How many balloons did the two men sell? _____

_____ _____ = ?

A man had 115 whistles that he wanted to sell. He sold only 95 of them. How many whistles did he have then? _____

_____ _____ = ?

Two men sold 159 balloons. Another man sold 95 whistles at the parade. The men sold how many more balloons than whistles? _____

_____ _____ = ?

After the parade, the children went to the park. There were 12 girls in the swings and 8 girls on the see-saws. How many fewer girls were on the see-saws than in the swings?

____ ____ = ____

When Bob rode on the merry-go-round, there were 8 boys and 8 girls riding. How many children were riding on the merry-go-round?

____ ____ = ____

Ted and Don played ring toss. Ted made 4 points, 5 points, and 8 points. How many points did he make in all?

____ ____ ____ = ____

Some boys made 130 points when they played ring toss. The girls made 90 points. How many more points did the boys make than the girls? _____

_____ _____ = ?

Some of the children rode in the little train in the park. One time 16 children rode. The next time 7 rode. How many more children rode the first time than the second time?

____ ____ = ____

There were 15 boys and 8 girls who had tickets to ride the ponies. How many fewer girls than boys had tickets?

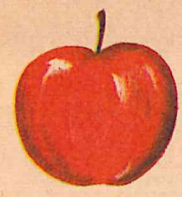
____ ____ = ____

When Don played ring toss, he made 4 points, 3 points, and 9 points. How many points did Don make in all?

____ ____ ____ = ____

The man sold 86 tickets to the boys for rides on the ponies. He sold 40 tickets to the girls. How many tickets did he sell in all? _____

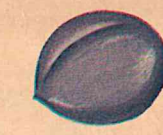
_____ _____ = ?



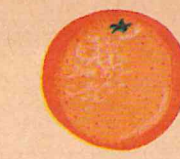
apple
6¢

pear
7¢

peach
9¢



plum
5¢



orange
8¢

How many cents do an apple and a pear cost? _____

How many cents do an apple and a peach cost? _____

How many cents do an orange and a plum cost? _____

How many cents do an orange and a pear cost? _____

How many cents do a plum and a peach cost? _____

How many cents do a peach and a pear cost? _____

1	4	6	2	2	7	8	6	6	3
+9	+7	+8	+9	+8	+7	+4	+6	+4	+8

1	3	5	1	5	8	6	3	1	2
2	6	4	7	3	1	2	5	4	6
7	6	4	9	7	5	2	8	8	6

7	1	6	4	5	3	4	1	3	2
2	8	3	4	2	1	5	6	2	7
3	9	1	3	8	9	7	9	6	8

37	40	64	79	70	63	70	64
+91	+68	+83	+50	+73	+53	+30	+90

53	95	70	82	70	52	60	47
+94	+20	+40	+50	+66	+55	+71	+80

cupcake 5¢

apple 6¢

cooky 2¢

milk 9¢

pie 11¢

cake 12¢

The pie costs how many cents more than the apple? _____

The cake costs how many cents more than the milk? _____

Tom has 18 cents. How many cents will he have left if he buys the milk? _____

The cake costs how many cents more than the cupcake? _____

The pie costs how many cents more than the cooky? _____

Ted has 14 cents. How many cents will he have left if he buys the apple? _____

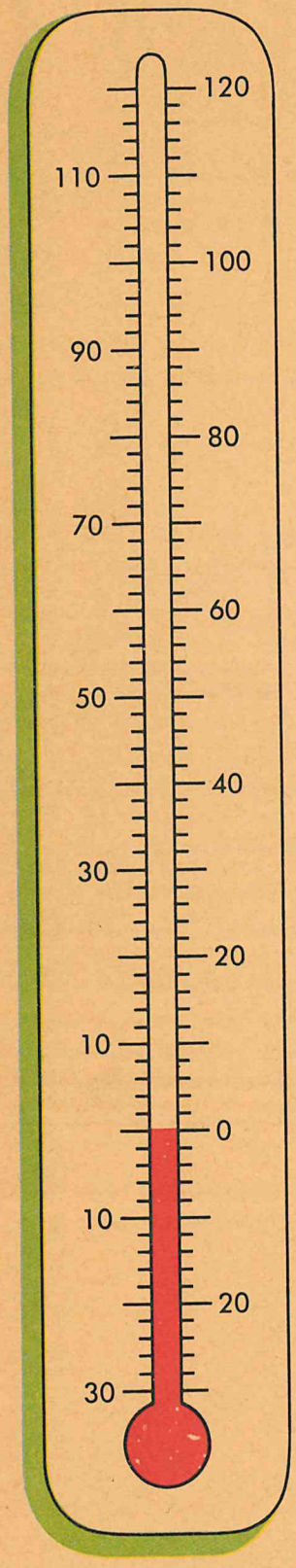
13	16	13	15	11	14	17	14	13	15
−6	−7	−5	−7	−7	−5	−8	−7	−9	−6
118	103	96	112	128	108	138	159		
−96	−20	−62	−52	−31	−70	−44	−89		
159	116	100	99	127	137	106	167		
−97	−44	−30	−41	−60	−85	−16	−82		
128	107	135	89	109	119	126	101		
−47	−53	−70	−58	−92	−35	−71	−80		
160	128	108	176	144	109	147	117		
−90	−83	−42	−93	−80	−63	−94	−81		

Write the missing numerals.

1		3		5		7		9	
11		13		15		17		19	
21		23		25		27		29	

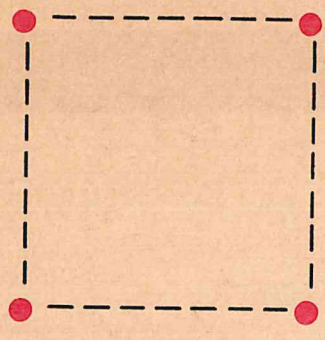
Count by twos. How many animals did you count? _____

Count by twos. How many pennies did you count? _____

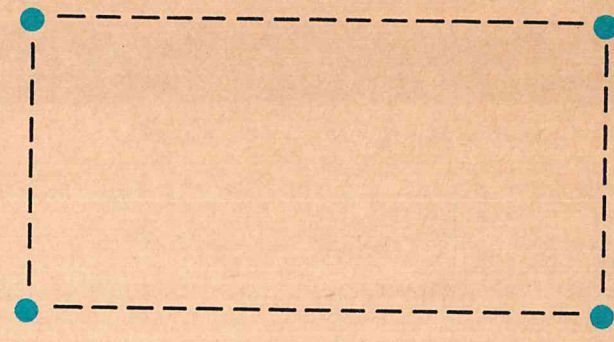


Start	Move up	Write the temperature
0°	+ 20°	= ____
0°	+ 40°	= ____
0°	+ 70°	= ____
0°	+ 90°	= ____
40°	+ 20°	= ____
60°	+ 30°	= ____
10°	+ 6°	= ____
60°	+ 8°	= ____
0°	+ 12°	= ____
0°	+ 32°	= ____
50°	+ 16°	= ____
70°	+ 24°	= ____
40°	+ 38°	= ____
48°	+ 20°	= ____
62°	+ 30°	= ____
66°	+ 4°	= ____
72°	+ 8°	= ____

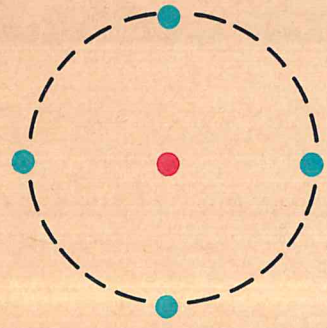
Start	Move down	Write the temperature
20°	− 10°	= ____
40°	− 20°	= ____
70°	− 30°	= ____
90°	− 20°	= ____
60°	− 50°	= ____
80°	− 60°	= ____
32°	− 10°	= ____
56°	− 20°	= ____
88°	− 30°	= ____
64°	− 20°	= ____
98°	− 8°	= ____
64°	− 4°	= ____
86°	− 6°	= ____
74°	− 14°	= ____
68°	− 28°	= ____
96°	− 56°	= ____
32°	− 32°	= ____



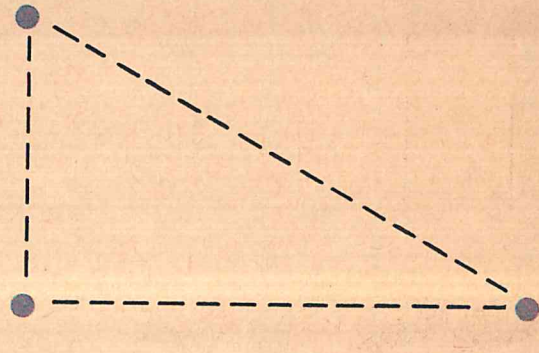
Yes No

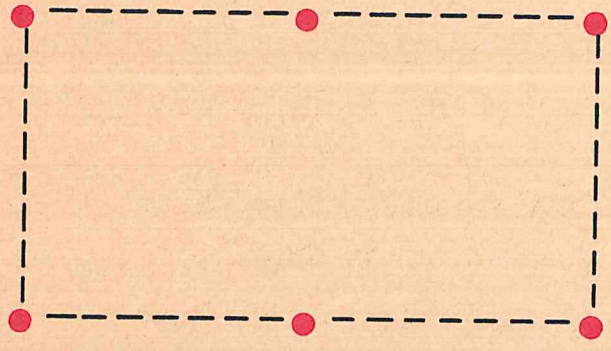


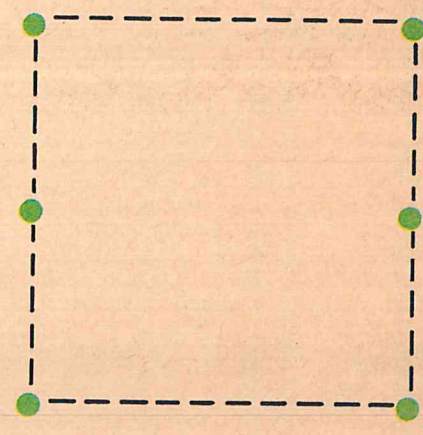
Yes No

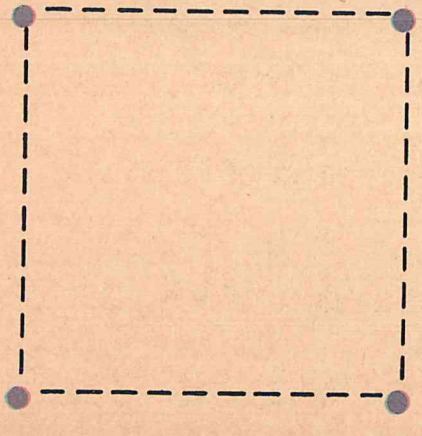


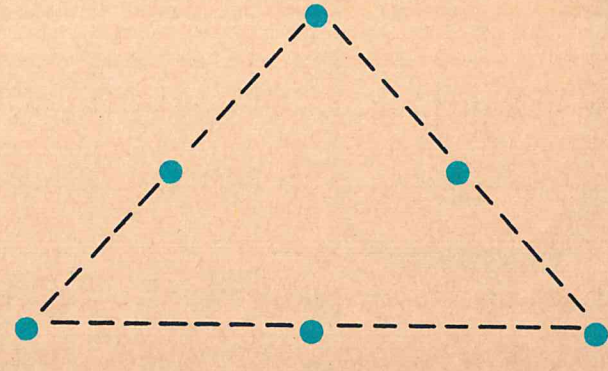
Yes No

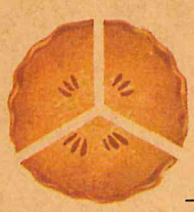




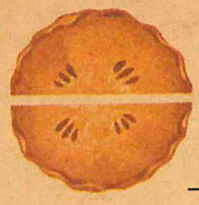




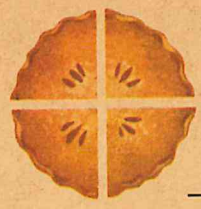




_____



_____



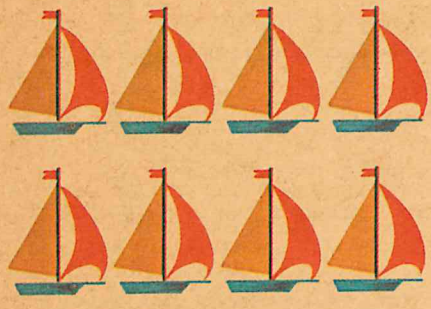
_____

_____

Which is the largest piece of a pie? one third, one half, one fourth

Which is the smallest piece of a pie? one third, one half, one fourth

---



How many boats will you have if you take one half of them? _____

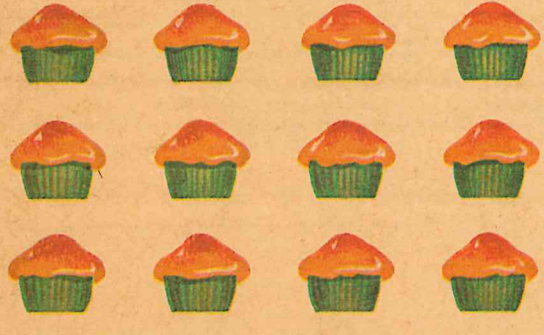
How many boats will you have if you take one fourth of them? _____

one half of 8 is _____ one fourth of 8 is _____

How many cones will you have if you take one half of them? _____

How many cones will you have if you take one fourth of them? _____

one half of 16 is _____ one fourth of 16 is _____

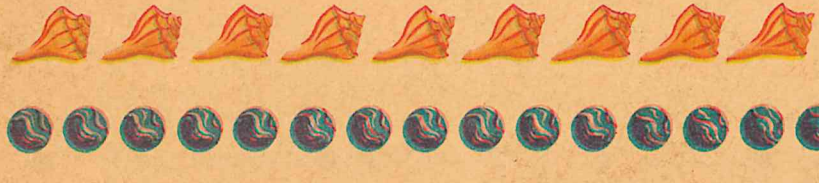


How many cupcakes will you have if you take one half of them? _____

How many cupcakes will you have if you take one third of them? _____

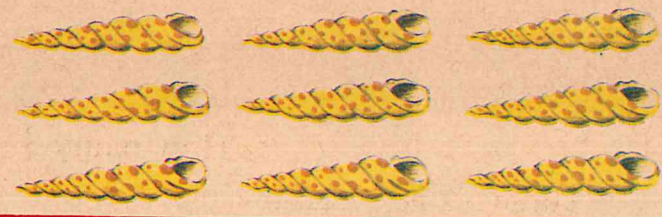
How many cupcakes will you have if you take one fourth of them? _____

one half of 12 is _____ one third of 12 is _____ one fourth of 12 is _____

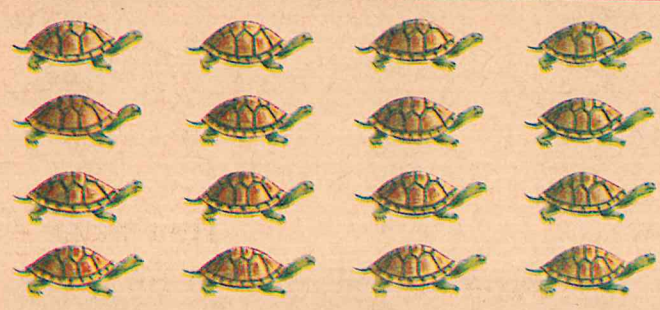


one third of 9 is _____

one third of 15 is _____



Three 3's is _____



Four 4's is _____

Four 3's is _____

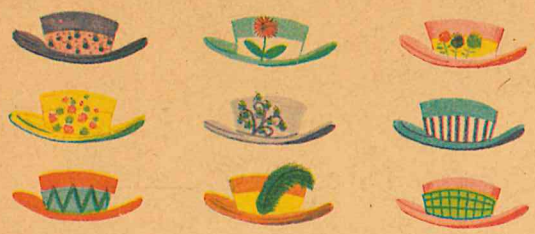
Three 4's is _____

Five 3's is _____

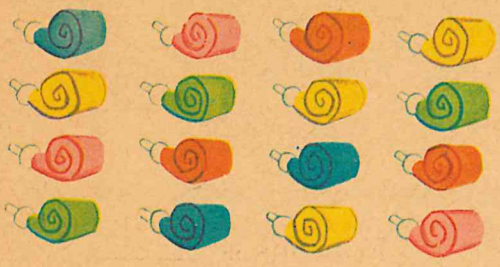
Three 5's is _____

Six 3's is _____

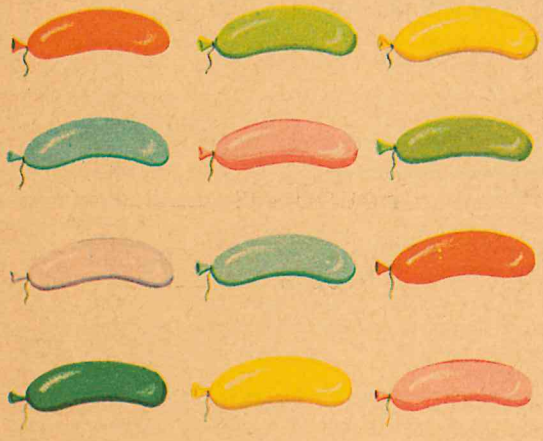
Three 6's is _____



Three 3's is _____ How many 3's in 9? _____

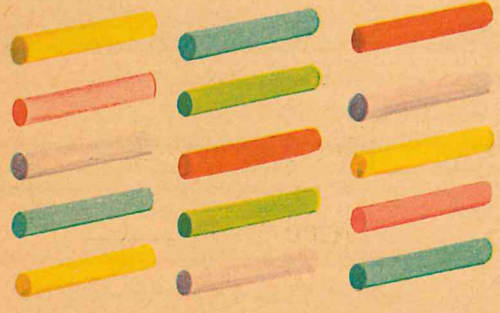


Four 4's is _____ How many 4's in 16? _____



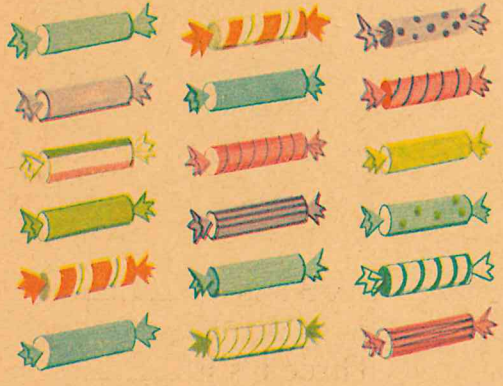
Four 3's is _____ Three 4's is _____

How many 3's in 12? _____ How many 4's in 12? _____



Five 3's is _____ Three 5's is _____

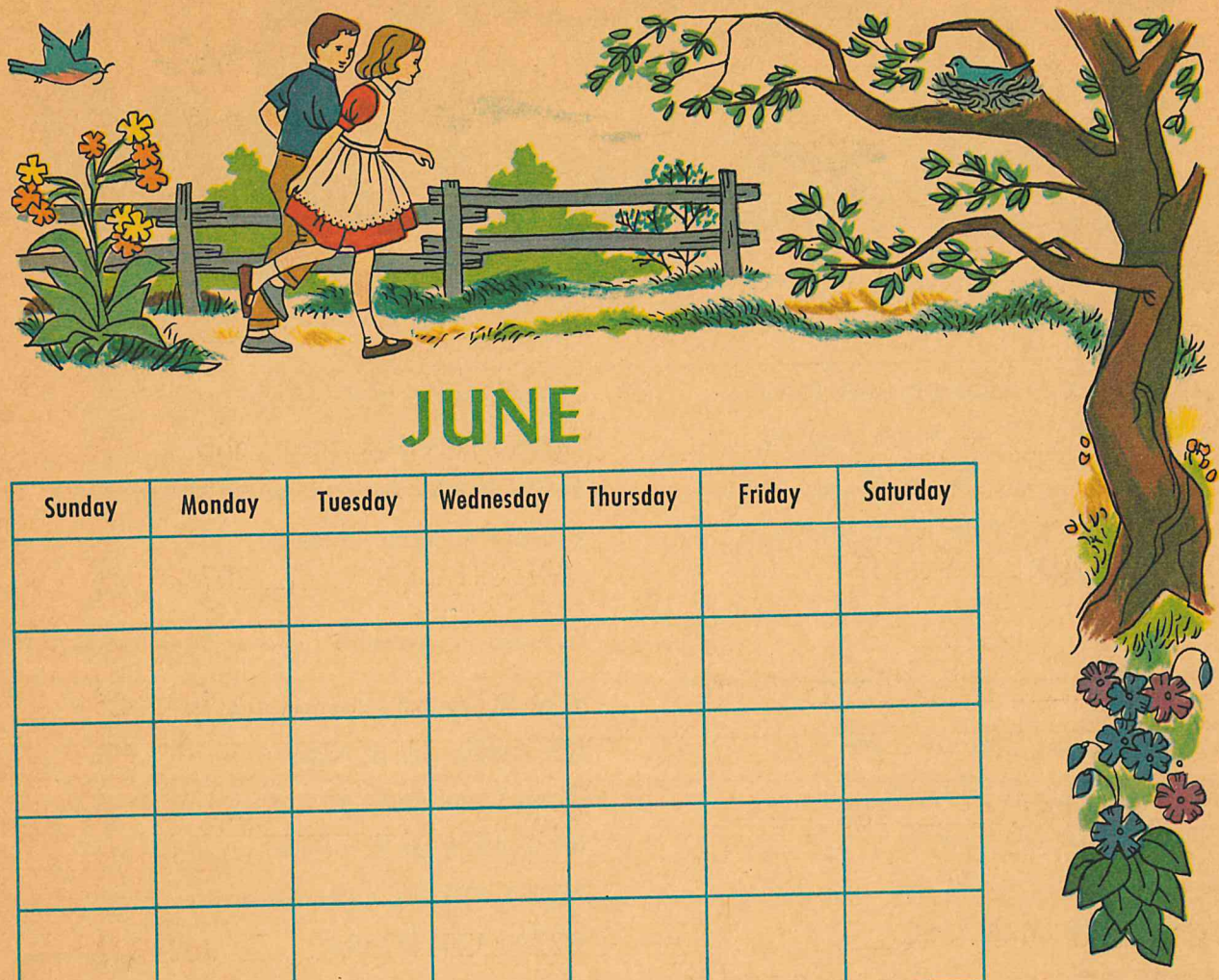
How many 3's in 15? _____ How many 5's in 15? _____



Six 3's is _____ Three 6's is _____

How many 3's in 18? _____ How many 6's in 18? _____

2, 4, 6, _____, 10	302, 304, 306, _____, 310
52, 54, _____, _____, 60	552, 554, _____, _____, 560
_____, 72, 74, 76, _____	_____, 972, 974, 976, _____
1, 3, 5, _____, 9	901, 903, 905, _____, 909
99, 101, 103, _____, 107	799, 801, 803, _____, 807
15, 17, _____, _____, 23, 25	515, 517, _____, _____, 523, 525
145, 155, 165, _____, 185	813, 823, 833, _____, 853
915, _____, 935, 945, _____, 965	222, 232, _____, _____, 262, 272
672, _____, _____, 702, 712, 722	509, 519, _____, _____, 549, 559
399, _____, 419, _____, 439, 449	788, 798, _____, 818, _____, 838
16, 116, 216, _____, 416, 516	198, _____, 398, _____, 598, 698
404, 504, _____, _____, 804, 904	_____, _____, 533, 633, 733, 833
20, _____, _____, 35, 40, 45	605, _____, 615, _____, 625, 630
412, 417, 422, _____, _____	871, 876, 881, _____, 891



JUNE

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

Write the numerals that tell what day of the month these days are.

the first Sunday _____ the first Thursday _____ the first Saturday _____

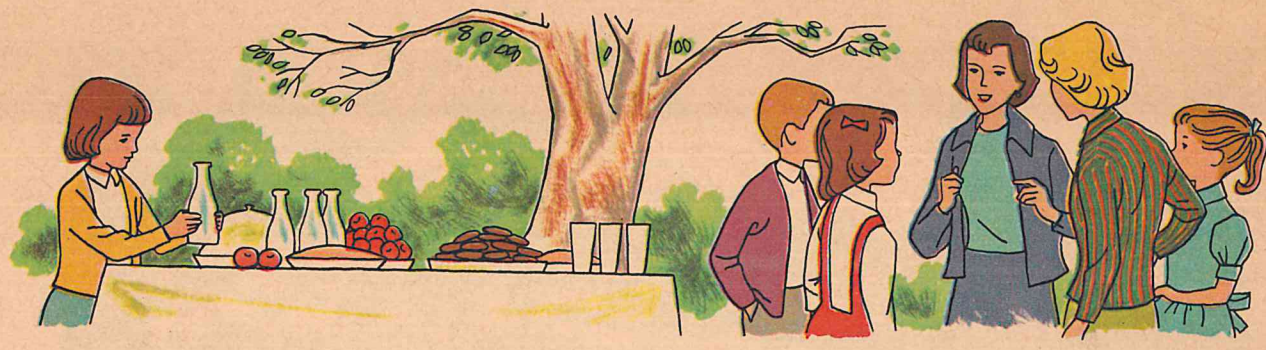
the last Sunday _____ the last Thursday _____ the last Saturday _____

Bob's birthday is June 8. Mary's birthday comes 5 days after Bob's. What day of the month is Mary's birthday? _____

Fred checked a book out of the library June 3. He will keep it 9 days. What day of the month will he take the book back? _____

Ann went to the show June 17. Tom went 5 days before. What day of the month did Tom go to the show? _____

On June 6, Ted bought a car. He bought another car 8 days later. On what day of the month did Ted buy the second car? _____



One day the children had lunch in the park. There were 6 girls, 1 teacher, and 9 boys at one table. How many people were there at that table?

____ ____ ____ = ____

The girls put 108 cookies on the tables for lunch. There were 20 cookies left after lunch. How many cookies did the people eat? _____

_____ _____ = ?

Sarah put 16 apples on her table. Seven of them were eaten. How many apples were left?

____ ____ = ____

At Sarah's table there are 16 people who want milk. Sarah found 9 bottles of milk. How many fewer bottles of milk are there than people?

____ ____ = ____

At another table there were 7 girls, 1 teacher, and 9 boys. How many people were there at the second table?

____ ____ ____ = ____

Sarah found one box with 60 apples in it. She found another box with 48 apples in it. How many apples were there in the two boxes? _____

_____ _____ = ?

Jane has 17 pieces of pie for the people at her table. Only 8 of them want pie. How many pieces of pie will be left?

____ ____ = ____

One box had 48 apples in it. Jane put 17 of them on her table. How many apples were left in the box then? _____

_____ _____ = ?

After lunch the children played in the park. There were 9 boys on one ball team and 9 on another. How many boys were on the two teams?

____ ____ = ____

After the ball games 5 boys played marbles, 4 played darts, and 8 played ring toss. How many boys played these games?

____ ____ ____ = ____

Then the boys made up two teams to play ring toss. One team made 84 points. The other team made 62 points. How many points did the two teams make? _____

_____ _____ = ?

A team of boys made 148 points in a dart game. A girls' team made 88 points. The girls' team made how many fewer points? _____

_____ _____ = ?

There were 13 girls who wanted to play ball. They can have only 9 for a team. How many girls cannot play on the team?

____ ____ = ____

Two girls played on the see-saw, 5 played on the slide, and 6 played in the swings. How many girls were playing in all?

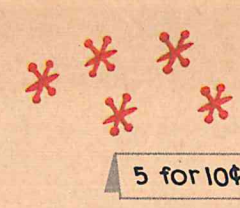
____ ____ ____ = ____

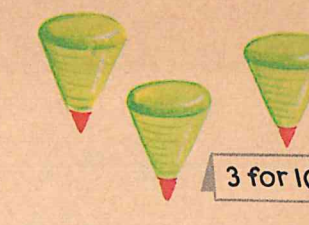
The girls had two teams to play ring toss too. One team made 68 points and the other made 70 points. How many points did the two teams make? _____

_____ _____ = ?

Another team of girls made 139 points. The boys' team made 80 points. How many more points did the girls' team make? _____

_____ _____ = ?





How many balloons can you buy for 6¢? _____

How many balloons can you buy for 12¢? _____

How many marbles can you buy for 6¢? _____

How many marbles can you buy for 8¢? _____

How many balls can you buy for 3 nickels? _____

How many balls can you buy for 7 nickels? _____

How many tops can you buy for 3 dimes? _____

How many tops can you buy for 5 dimes? _____

How many jacks can you buy for 2 dimes? _____

How many jacks can you buy for 4 dimes? _____

How many cents must you pay for 10 marbles? _____

How many cents must you pay for 14 marbles? _____

How many cents must you pay for 5 balloons? _____

How many cents must you pay for 9 balloons? _____

How many balloons can you buy for 10¢? _____

How many balloons can you buy for 14¢? _____

How many marbles can you buy for 7¢? _____

How many marbles can you buy for 9¢? _____

How many balls can you buy for 5 nickels? _____

How many balls can you buy for 8 nickels? _____

How many tops can you buy for 4 dimes? _____

How many tops can you buy for 6 dimes? _____

How many jacks can you buy for 3 dimes? _____

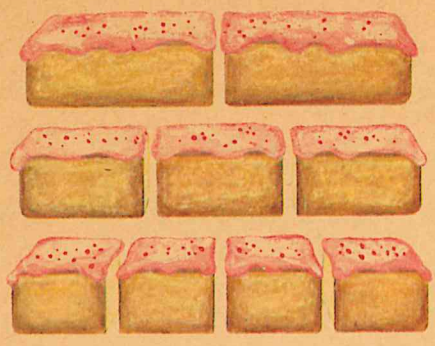
How many jacks can you buy for 5 dimes? _____

How many cents must you pay for 12 marbles? _____

How many cents must you pay for 16 marbles? _____

How many cents must you pay for 7 balloons? _____

How many cents must you pay for 6 balls? _____



Put an X on one half of a cake.
How many halves in the cake? ____

Put a ✓ on one fourth of a cake.
How many fourths in the cake? ____

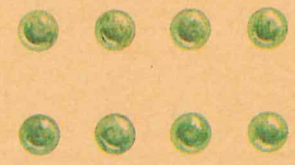
Put a ✻ on one third of a cake.
How many thirds in the cake? ____

Which is the largest piece of cake? one fourth, one third, one half

Which is the smallest piece of cake? one fourth, one third, one half

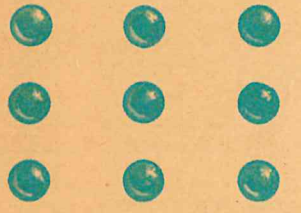
one half of 6 is ____

one third of 6 is ____

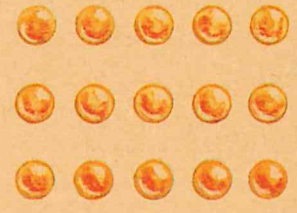


one half of 8 is ____

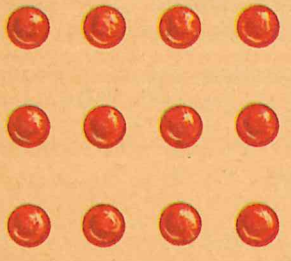
one fourth of 8 is ____



one third of 9 is ____



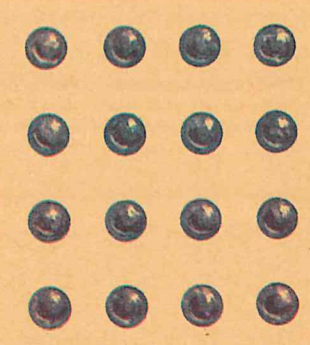
one third of 15 is ____



one half of 12 is ____

one third of 12 is ____

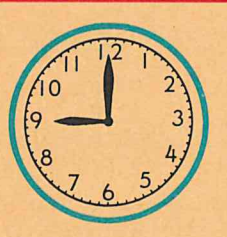
one fourth of 12 is ____



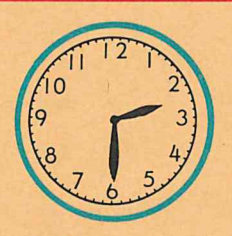
one half of 16 is ____

one fourth of 16 is ____

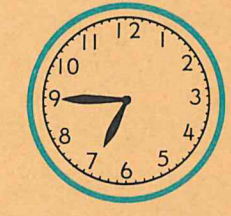
____ minutes past ____



____ o'clock



half past ____



____ minutes to ____

One dime will buy as much as how many nickels? _____

One dime will buy as much as how many pennies? _____

One quarter will buy as much as how many nickels? _____

One quarter will buy as much as how many pennies? _____

One half dollar will buy as much as how many dimes? _____

how many quarters? _____ how many pennies? _____

One dollar will buy as much as how many half dollars? _____

how many quarters? _____

how many dimes? _____

how many pennies? _____

71			74			77			80
				85				89	
		93					98		

6, 7, 8, _____

26, 27, 28, _____

126, 127, 128, _____

3, 4, _____, 6

73, 74, _____, 76

173, 174, _____, 176

_____, 5, 6, 7

_____, 95, 96, 97

_____, 195, 196, 197

hundreds tens ones

137 means ___ ___ ___

190 means ___ ___ ___

108 means ___ ___ ___

275 means ___ ___ ___

382 means ___ ___ ___

tens ones

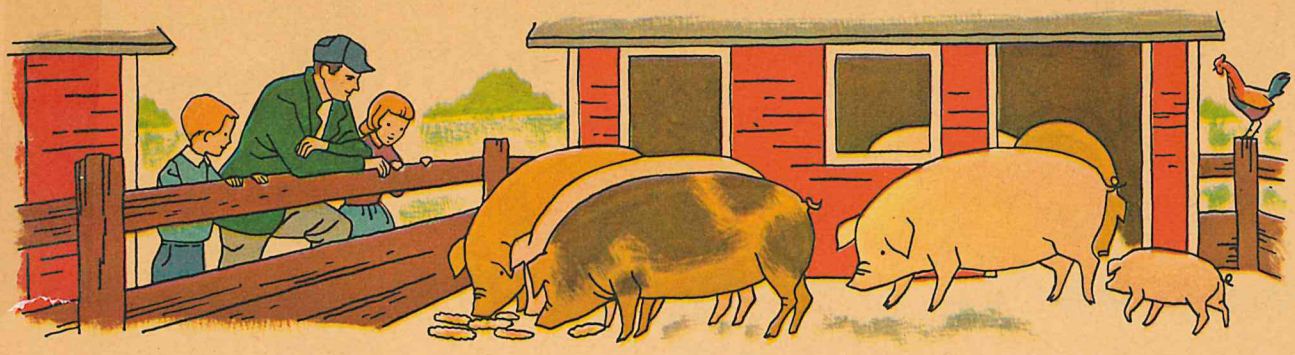
137 means ___ ___

190 means ___ ___

108 means ___ ___

275 means ___ ___

382 means ___ ___



One day Susan and Bob went to the farm. They found 158 eggs in the chicken house. The farmer sold 72 of them. How many eggs were left? _____

_____ _____ = ?

The day Susan and Bob were at the farm, 96 eggs hatched. The next day 72 more eggs hatched. How many eggs hatched in the two days? _____

_____ _____ = ?

Susan and Bob helped feed the pigs. There were 68 pigs in one pen and 90 in another pen. How many pigs did the farmer have? _____

_____ _____ = ?

A man had 180 pigs to sell. The farmer bought 90 of them. How many pigs did the man have left to sell? _____

_____ _____ = ?

There were 17 cows in the barnyard. The farmer drove 8 of them into the barn. Then how many cows were in the barnyard?

____ ____ = ____

Susan and Bob counted 15 lambs and 6 sheep on the farm. How many fewer sheep than lambs were there?

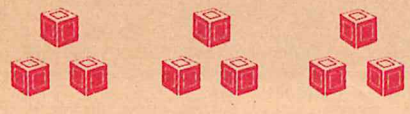
____ ____ = ____

Bob saw 4 little ducks in the barnyard, 5 in the water, and 6 in the yard. How many little ducks did Bob see?

____ ____ ____ = ____

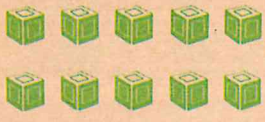
Susan saw 5 kittens in the barn, 3 in the house, and 8 in the chicken house. How many kittens did Susan see?

____ ____ ____ = ____



Three 3's is _____

How many 3's in 9? _____

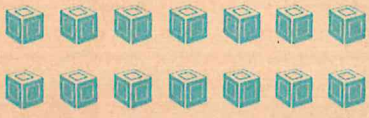


Two 5's is _____

How many 5's in 10? _____

Five 2's is _____

How many 2's in 10? _____

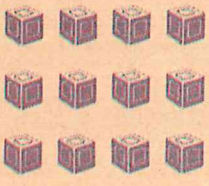


Two 7's is _____

How many 7's in 14? _____

Seven 2's is _____

How many 2's in 14? _____

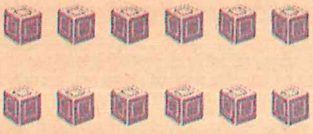


Three 4's is _____

How many 4's in 12? _____

Four 3's is _____

How many 3's in 12? _____

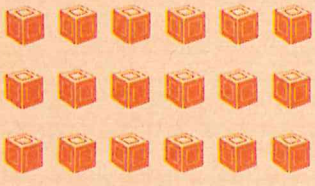


Two 6's is _____

How many 6's in 12? _____

Six 2's is _____

How many 2's in 12? _____

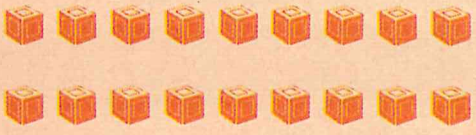


Three 6's is _____

How many 6's in 18? _____

Six 3's is _____

How many 3's in 18? _____

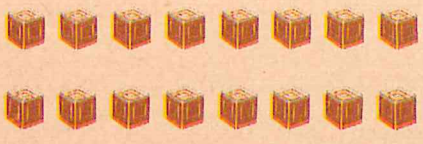


Two 9's is _____

How many 9's in 18? _____

Nine 2's is _____

How many 2's in 18? _____



Two 8's is _____

How many 8's in 16? _____

Four 4's is _____

Eight 2's is _____

How many 2's in 16? _____

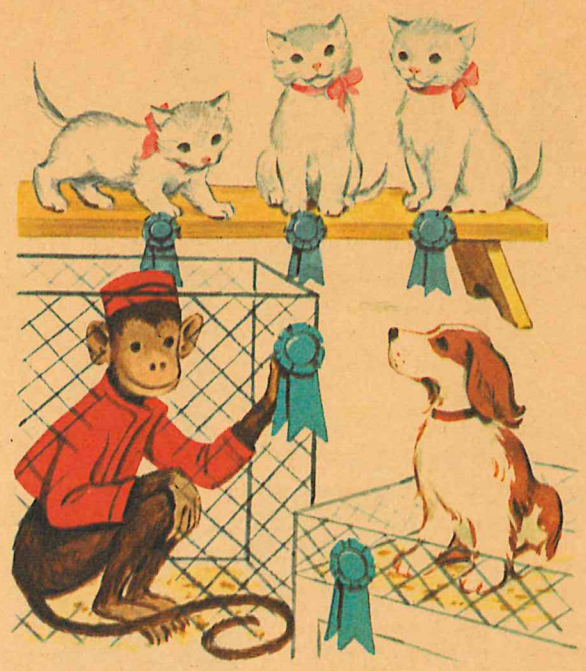
How many 4's in 16? _____

Don and Sam went to see a pet show. A man said that 70 girls and 85 boys went to the show. In all, how many children went to the show? _____

_____ _____ = ?

Two monkeys, 6 kittens, and 8 puppies were given ribbons at the show. How many pets were given ribbons?

____ ____ ____ = ____



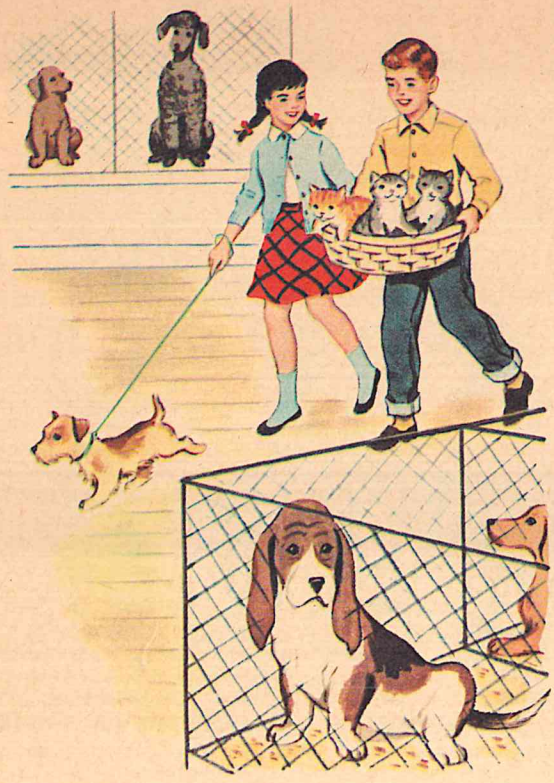
4	7	4	2	9	3	8	5	9	1
+7	+7	+9	+8	+5	+9	+9	+7	+6	+9

6	5	3	5	5	5	1	2	6	1
1	2	4	4	1	3	8	3	3	5
6	5	4	1	8	5	8	6	3	7

4	2	7	2	4	3	3	4	7	8
4	7	1	4	1	5	6	2	2	1
6	2	7	6	8	3	9	5	4	7

84	40	72	80	61	40	53	32
+40	+39	+35	+20	+24	+91	+52	+80

70	33	40	51	66	60	21	48
+97	+73	+83	+97	+40	+90	+96	+60



There were 155 children who went to the pet show. Only 60 of them had pets in the show. How many children did not have pets in the show? _____

_____ _____ = ?

There were 17 puppies in the pet show. Only 8 of them were given ribbons. How many puppies did not get ribbons?

____ ____ = ____

11 −8	14 −6	12 −5	15 −8	10 −7	13 −9	16 −7	12 −6	18 −9	11 −4
148 −53	100 −80	114 −24	157 −94	122 −72	109 −42	137 −63	119 −90		
138 −82	119 −35	158 −77	123 −30	110 −70	149 −98	129 −84	107 −25		
118 −64	166 −92	106 −36	148 −76	138 −55	109 −66	127 −90	119 −43		
131 −70	167 −81	129 −47	176 −94	119 −51	147 −82	108 −18	138 −41		

SCHOOL DISTRICT OF GREENVILLE COUNTY
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THE GRADE TWO LEARNING PROGRAM

Learning Stage 1, pages 1–9

Page 1: Comparing by matching; one-to-one and one-to-two correspondence
Pages 2–3: Understanding and writing the numerals 1 to 9 and 0
Pages 4–5: Understanding tens; sequence to 9 tens
Pages 6–8: Meaning of the addition operation; number sentences $4+2=6$, $2+4=6$, $3+2=5$, $2+3=5$, $2+2=4$, $3+3=6$; number stories
Page 9: Number stories; number sentences

Learning Stage 2, pages 10–18

Page 10: Ordinals—*first* to *tenth*
Page 11: Writing numerals to 100
Page 12: Comparing numbers—larger, smaller
Page 13: Number sequence 1 to 20, using number line
Page 14: Money—pennies, nickels, dimes
Pages 15–17: Meaning of subtraction operation; number sentences $6-2=4$, $6-4=2$, $5-2=3$, $5-3=2$, $4-2=2$, $6-3=3$; number stories
Page 18: Number stories, number sentences

Learning Stage 3, pages 19–29

Pages 19–20: Writing numerals 1 to 100 in chart form; sequence and patterns from number line
Pages 21–22: Number sentences $5+2=7$, $2+5=7$, $7-2=5$, $7-5=2$, $4+3=7$, $3+4=7$, $7-3=4$, $7-4=3$, $6+2=8$, $2+6=8$, $8-2=6$, $8-6=2$, $5+3=8$, $3+5=8$, $8-3=5$, $8-5=3$, $4+4=8$, $8-4=4$; signs for *plus, minus, equals*
Pages 23–26: Practice; problems
Page 27: Fractions (one half and one fourth of an object)
Page 28: Telling time to the half hour
Page 29: Measurement—inch, half inch

Learning Stage 4, pages 30–44

Page 30: Comparing numbers—larger, smaller
Page 31: Tens' place and ones' place
Page 32: Number sentences $7+2=9$, $2+7=9$, $9-2=7$, $9-7=2$, $6+3=9$, $3+6=9$, $9-3=6$, $9-6=3$, $5+4=9$, $4+5=9$, $9-4=5$, $9-5=4$
Page 33: Number sentences $7+3=10$, $3+7=10$, $10-3=7$, $10-7=3$, $8+2=10$, $2+8=10$, $10-2=8$, $10-8=2$, $6+4=10$, $4+6=10$, $10-4=6$, $10-6=4$, $5+5=10$, $10-5=5$
Pages 34–35: Practice
Page 36: Learning to read number stories
Page 37: Addition facts with 1 developed from a number line; practice
Page 38: Subtraction facts with 1 developed from a number line; practice
Pages 39–40: Adding and subtracting tens
Page 41: Learning to use a calendar
Page 42: Telling time to five-minute intervals
Pages 43–44: Tests

Learning Stage 5, pages 45–54

Page 45: Writing numerals to 200
Page 46: Understanding and reading numerals to 200
Pages 47–48: Adding and subtracting tens and ones
Pages 49–50: Addition of three numbers—number sentences, arranged in column
Pages 51–52: Number sentences; number stories
Page 53: Measurement—the quart, the pint, the half pint
Page 54: Geometry—squares, rectangles, triangles, circles

Learning Stage 6, pages 55–72

Pages 55–56: Number sequence and number patterns to 200, using the number line and charts
Pages 57–58: Number sentences $9+2=11$, $2+9=11$, $11-2=9$, $11-9=2$, $8+3=11$, $3+8=11$, $11-3=8$, $11-8=3$, $7+4=11$, $4+7=11$, $11-4=7$, $11-7=4$, $6+5=11$, $5+6=11$, $11-5=6$, $11-6=5$
Pages 59–60: Practice; problems
Page 61: Problems with two-figure numerals
Page 62: Problems; practice
Page 63: Money—counting by fives and tens
Page 64: Fractions (one half and one fourth of the number in a set)
Page 65: Maintenance—telling time
Pages 66–67: Number sentences $9+3=12$, $3+9=12$, $12-3=9$, $12-9=3$, $8+4=12$, $4+8=12$, $12-4=8$, $12-8=4$, $7+5=12$, $5+7=12$, $12-5=7$, $12-7=5$, $6+6=12$, $12-6=6$
Pages 68–69: Practice; problems
Pages 70–72: Semester tests

Learning Stage 7, pages 73–85

Pages 73–75: Understanding numbers to 1000
Pages 76–77: Number sentences $9+4=13$, $4+9=13$, $13-4=9$, $13-9=4$, $8+5=13$, $5+8=13$, $13-5=8$, $13-8=5$, $7+6=13$, $6+7=13$, $13-6=7$, $13-7=6$
Pages 78–79: Practice; problems
Pages 80–81: Addition with two-figure numerals—three-place sums
Pages 82–83: Subtraction with two-figure numerals—three-place minuends
Page 84: Maintenance—geometry
Page 85: Money—the quarter, the half dollar, the one-dollar bill

Learning Stage 8, pages 86–96

Page 86: Sequence of numbers to 1000, number line
Page 87: Number patterns; charts, number line
Pages 88–89: Number sentences $9+5=14$, $5+9=14$, $14-5=9$, $14-9=5$, $8+6=14$, $6+8=14$, $14-6=8$, $14-8=6$, $7+7=14$, $14-7=7$
Pages 90–91: Practice; problems
Pages 92–93: Zero generalizations in addition and subtraction with two-figure numerals
Page 94: Measurement—dozen, half dozen
Pages 95–96: Maintenance—money, telling time

Learning Stage 9, pages 97–110

Pages 97–98: Understanding numbers to 1000 as hundreds, tens, and ones; writing numerals in sequence, using the number line and charts
Pages 99–100: Number sentences $9+6=15$, $6+9=15$, $15-6=9$, $15-9=6$, $8+7=15$, $7+8=15$, $15-7=8$, $15-8=7$, $9+8=17$, $8+9=17$, $17-8=9$, $17-9=8$
Pages 101–102: Practice; problems
Page 103: Relationship of addition and subtraction examples with two-figure numerals
Page 104: Fractions (one third of a whole, one third of the number in a set)
Pages 105–106: Number sentences $9+7=16$, $7+9=16$, $16-7=9$, $16-9=7$, $8+8=16$, $16-8=8$, $9+9=18$, $18-9=9$
Pages 107–108: Practice; problems
Pages 109–110: Tests

Learning Stage 10, pages 111–121

Page 111: Addition on the number line
Page 112: Money—problem solving
Pages 113–116: Discovering 15 multiplication facts and 15 division facts
Pages 117–118: Subtraction—how many more or how many fewer; number stories; sentences
Pages 119–121: Using the relationship of the addition and subtraction operations to find a missing number in a number sentence

Learning Stage 11, pages 122–133

Pages 122–123: Addition and subtraction on the number line—with and without bridging
Pages 124–127: Problems; practice
Page 128: Counting by twos to 30
Page 129: Using a thermometer as a number line
Page 130: Maintenance—geometry
Page 131: Maintenance—fractions
Pages 132–133: Discovering 8 multiplication facts and 8 division facts

Learning Stage 12, pages 134–144

Page 134: Discovering patterns in number sequence
Page 135: Learning more about the calendar
Pages 136–138: Problems
Pages 139–144: Final tests

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15—B—70 69 68 67 66 65 64 63 62

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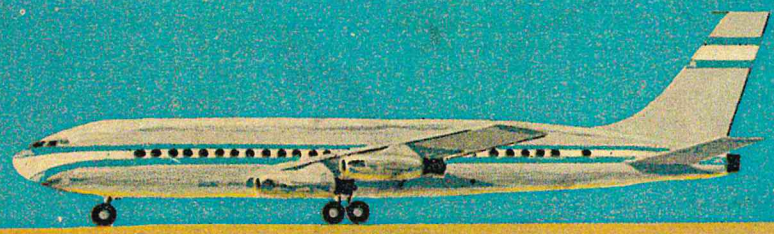

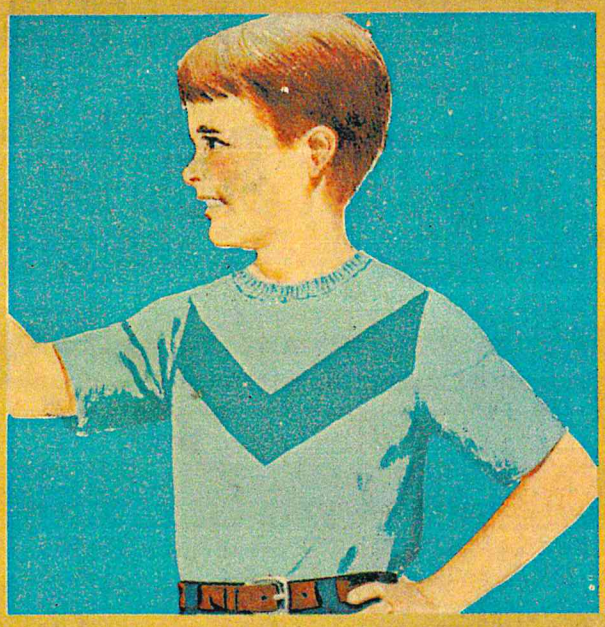

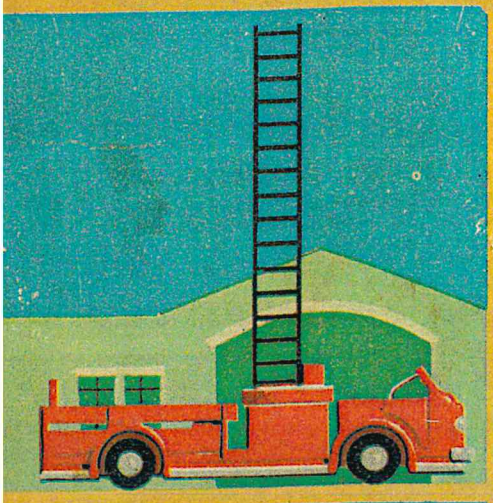

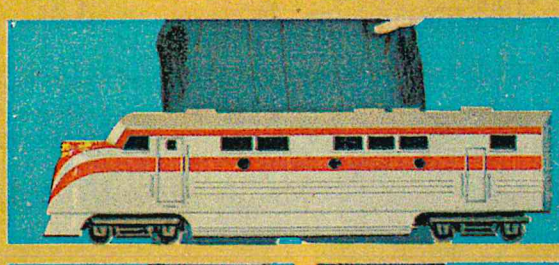

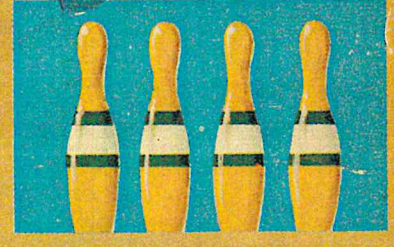

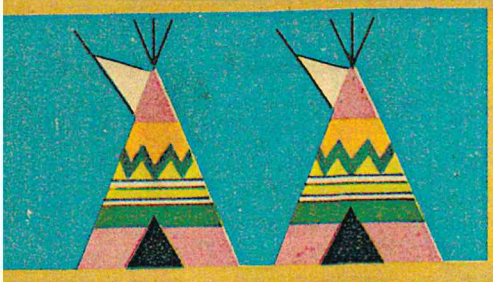

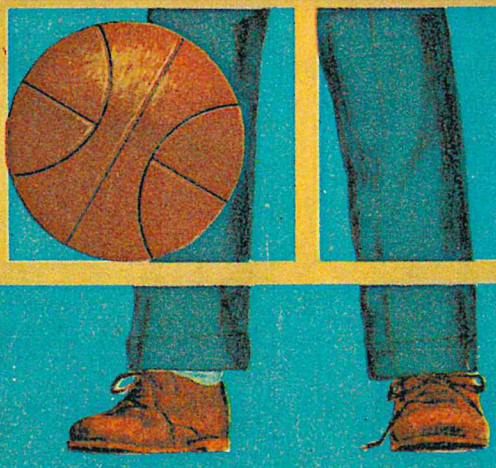

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